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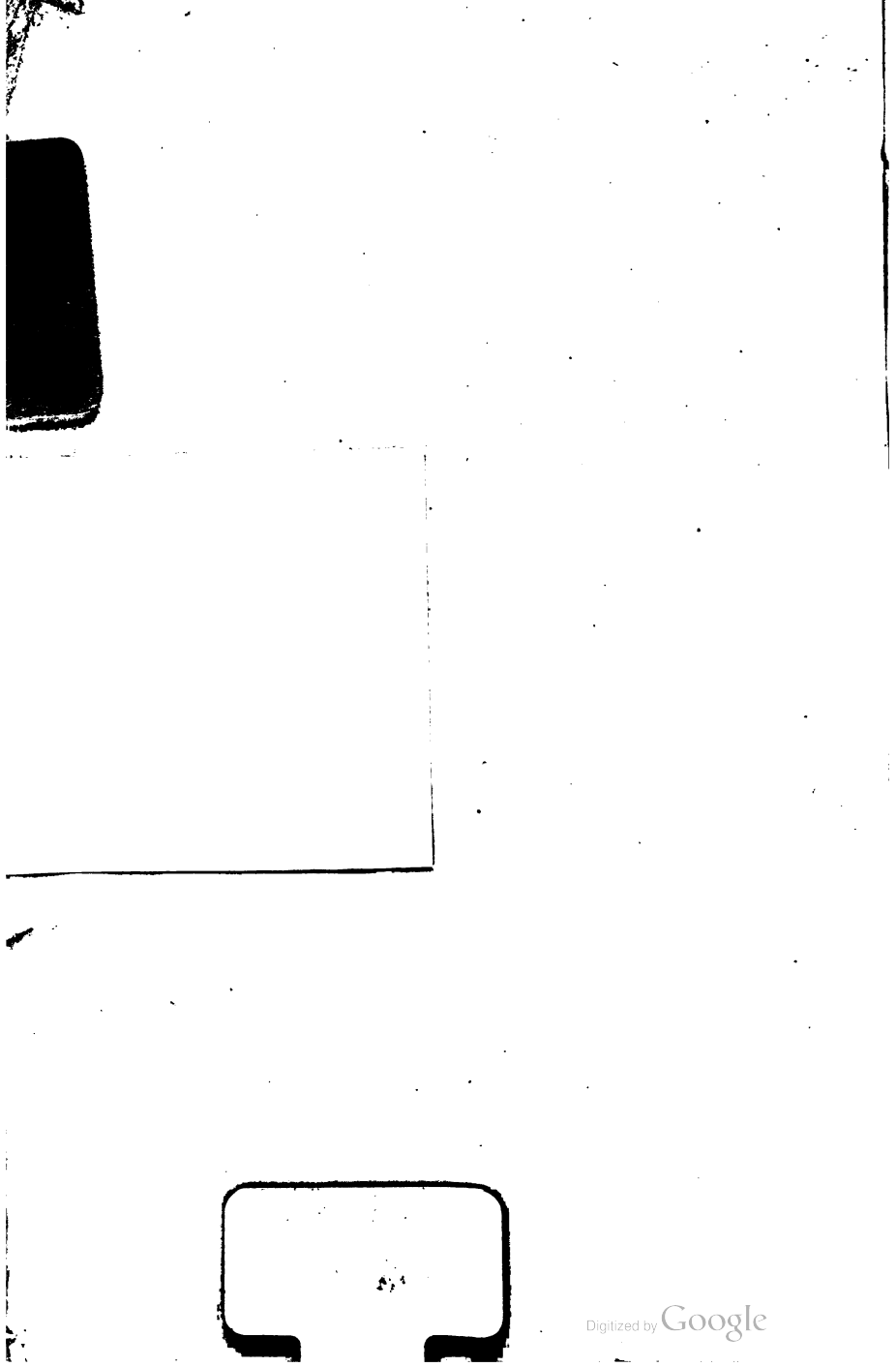
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A CATALOGUE
OF THE
OFFICERS, STUDENTS, AND COURSES OF STUDY
IN THE SEVERAL DEPARTMENTS OF
WASHINGTON UNIVERSITY,
FOR THE
ACADEMIC YEAR 1874-75.

SAINT LOUIS:
K. F. STUDLEY COMPANY, PRINTERS, 221 N. MAIN STREET,
1875.

1875

Sund.	Mond.	Tues.	Wed.	Thurs.	Frid.	Satur.
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Jan...	1	2
	3	4	5	6	7	8
	10	11	12	13	14	15
	17	18	19	20	21	22
	24	25	26	27	28	29
	31

Feb...	...	1	2	3	4	5
	7	8	9	10	11	12
	14	15	16	17	18	19
	21	22	23	24	25	26
	28	...	...	...	...	...

Mar...	...	1	2	3	4	5
	7	8	9	10	11	12
	14	15	16	17	18	19
	21	22	23	24	25	26
	28	29	30	31	...	...

April...	...	...	...	...	1	2
	4	5	6	7	8	9
	11	12	13	14	15	16
	18	19	20	21	22	23
	25	26	27	28	29	30

May...	...	...	...	...	...	1
	2	3	4	5	6	7
	9	10	11	12	13	14
	16	17	18	19	20	21
	23	24	25	26	27	28
	30	31	...	...	...	...

June...	...	...	1	2	3	4
	6	7	8	9	10	11
	13	14	15	16	17	18
	20	21	22	23	24	25
	27	28	29	30

1875

Sund.	Mond.	Tues.	Wed.	Thurs.	Frid.	Satur.
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July...	1	2
	4	5	6	7	8	9
	11	12	13	14	15	16
	18	19	20	21	22	23
	25	26	27	28	29	30

Aug...	1	2	3	4	5	6
	8	9	10	11	12	13
	15	16	17	18	19	20
	22	23	24	25	26	27
	29	30	31	...	...	...

Sept...	...	...	...	1	2	3
	5	6	7	8	9	10
	12	13	14	15	16	17
	19	20	21	22	23	24
	26	27	28	29	30	...

Oct...	...	...	...	...	...	1
	3	4	5	6	7	8
	10	11	12	13	14	15
	17	18	19	20	21	22
	24	25	26	27	28	29
	31	...	...	...	...	...

Nov...	...	1	2	3	4	5
	7	8	9	10	11	12
	14	15	16	17	18	19
	21	22	23	24	25	26
	28	29	30	...	...	...

Dec...	...	...	...	1	2	3
	5	6	7	8	9	10
	12	13	14	15	16	17
	19	20	21	22	23	24
	26	27	28	29	30	31

UNIVERSITY CALENDAR.

1874-75.

EXAMINATION FOR ADMISSION to the College and the Polytechnic

School, Friday and Saturday, September 11 and 12, 1874.

FIRST TERM begins Monday, September 14.

LAW SCHOOL opens Wednesday, October 14.

THANKSGIVING DAY, Thursday, November 26.

WINTER VACATION, December 24, 1874, to January 3, 1875, inclusive.

SEMI-ANNUAL EXAMINATION, January 25—29.

SECOND TERM begins February 1.

ANNIVERSARY EXHIBITION, February 19.

ALUMNI MEETING, February —

IRVING UNION EXHIBITION, Thursday, May 3.

HOLIDAY, Friday, May 14.

LAW COMMENCEMENT, Monday, May 17.

SENIOR EXAMINATION, June 3, 4.

ANNUAL EXAMINATION, June 9—16.

EXAMINATION FOR ADMISSION to the College and the Polytechnic

School, Monday and Tuesday, June 11, 15.

COMMENCEMENT, Thursday, June 17

SUMMER VACATION, June 17 to September 13.

1875-76.

EXAMINATION FOR ADMISSION to the College and the Polytechnic

School, Friday and Saturday, September 10, 11, 1875.

FIRST TERM begins Monday, September 13.

LAW SCHOOL opens Wednesday, October 13

HOLIDAY (THANKSGIVING DAY), —, —, —.

WINTER VACATION, December 23, 1875, to January 2, 1876, inclusive.

SEMI-ANNUAL EXAMINATION, January 24—28.

SECOND TERM begins Monday, January 31.

CORPORATION.

PRESIDENT :

WILLIAM G. ELIOT.

VICE-PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

WILLIAM G. ELIOT,
WAYMAN CROW,
JOHN M. KRUM,
JAMES SMITH,
SETH A. RANLETT,
GEORGE PARTRIDGE,
JOHN R. SHEPLEY,
ALBERT TODD,

HUDSON E. BRIDGE,
HENRY HITCHCOCK,
JAMES E. YEATMAN,
SAMUEL TREAT,
CARLOS S. GREELEY,
ROBERT CAMPBELL,
JOHN P. COLLIER,
JOHN T. DAVIS.

OFFICERS

OF

GOVERNMENT AND INSTRUCTION.*

	RESIDENCE.
W. G. ELIOT, D.D., <i>Chancellor, and Ties-</i> <i>ton Professor of Political Economy</i>	2660 Washington av.
ABRAM LITTON, M.D., <i>Eliot Professor</i> <i>of Chemistry</i>	2220 Eugenia st.
———, <i>Wayman Crow Professor of</i> <i>Physics</i>	
TRUMAN M. POST, D.D., <i>Professor of</i> <i>Ancient and Modern History</i>	3031 Lucas av.
GEORGE ENGELMANN, M.D., <i>Profes-</i> <i>sor of Botany and Natural History</i>	201 S. Fifth st.
CALVIN S. PENNELL, A.M., <i>Bridge</i> <i>Professor of Intellectual and Moral Phi-</i> <i>losophy, and Principal of Mary Insti-</i> <i>tute</i>	1600 Pine st.
SYLVESTER WATERHOUSE, A.M., <i>Collier Professor of Greek</i>	1729 Washington av
HENRY HITCHCOCK, A.M., LL.D., <i>Professor of Real Prop. Law, and Pro-</i> <i>vost of the Law School</i>	1507 Lucas Place.
SAMUEL TREAT, A.M., <i>President of the</i> <i>Law Faculty</i>	1114 Pine st.
ALBERT TODD, A.M., <i>Lecturer on the</i> <i>Law of Real Property as applied to Con-</i> <i>veyancing</i>	Laclede Hotel.
ALEXANDER MARTIN, A.M., <i>Professor</i> <i>of International, Admiralty, Marine In-</i> <i>surance, and Maritime Law</i>	1810 Wash st.

*Arranged, with the exception of the Chancellor, in the order of appointment,

RESIDENCE.

- SAMUEL REBER, A.M., *Professor of History and Science of Law, Constitutional Law, Torts, Equity and Successions*.....2206 Olive st.
- JOHN M. KRUM, A.M., *Lecturer on Criminal Law*.....1107 Washington av.
- GEORGE A. MADILL, A.M., *Professor of Real Property Law*.....3119 Chestnut st.
- CALVIN M. WOODWARD, A.M., *Thayer Professor of Mathematics and Applied Mechanics, and Dean of the Polytechnic School*.....[Geyer aves. Cor. of Missouri and
- GEORGE E. JACKSON, A.M., *Professor of Latin*.....} Washington av.,
} w. of Grand av.
- MARSHALL S. SNOW, A.M., *Professor of History, and Registrar of the College*, 2841 Olive st.
- HENRY POMEROY, A.M., *Professor of Astronomy and Mathematics*.....1512 Walnut st.
- GEORGE M. STEWART, A.M., *Professor of Mercantile Law and Contracts, and Dean of the Law Faculty*.....Barnum's Hotel.
- WM. EIMBECK, U.S.C.S., *Professor of Practical Astronomy*.....1143 S. Seventh st.
- WM B. POTTER, A.M., E.M., *Allen Prof. of Mining and Metallurgy*.....Wash. University.
- F. WM. RAEDER, S.B., *Professor of Architecture*.....1719 Lafayette av.
- DENHAM ARNOLD, A.M., *Professor of Physics, and Principal of the Academy*..2643 Washington av.
- CHAS. A. SMITH, C. E., *Professor of Civil and Mechanical Engineering*..1518 Lafayette av.
- FRED. M. CRUNDEN, A.M., *Professor of Elocution*.....1512 Walnut st.
- CHESTER H. KRUM, A.B., *Professor of the Law of Pleading, Practice and Evidence; Corporations and Domestic Relations*.....2732 Washington av.
- JOHN H. JENKS, M.D., *Professor of Physiology and Instructor in German*...1418 O'Fallon st.

	RESIDENCE.
JAMES K. HOSMER, A.M., <i>Professor of</i> <i>English and German Literature</i>	1510 Lafayette av.
R. THOMPSON BOND, A.B., <i>Assistant</i> <i>Prof. of Mathematics</i>	2734 Thomas st.
FRANCIS E. NIPHER, B.Ph., <i>Assistant</i> <i>Professor of Physics</i>	1728 Washington av.
HIRAM L. PEET, A.B., <i>First Assistant in</i> <i>the Academy</i>	1917 Biddle st.
JAMES A. LANIUS, <i>First Assistant in</i> <i>the Academy</i>	2020 Biddle st.
ISAAC N. CUNDALL, A.M., <i>Teacher of</i> <i>Third Academic</i>	1919 Biddle st.
CHARLES H. STONE, <i>Teacher of Fourth</i> <i>Academic</i>	1017 N. 16th st.
HORACE A. BROWN, LL.B., <i>Teacher of</i> <i>English Branches and Book-Keeping</i>	1917 Biddle st.
ELI R. OFFUT, <i>Teacher of Mathematics</i>	2734 Thomas st.
WM. S. CURTIS, A.B., <i>Teacher of Fifth</i> <i>Academic</i>	3030 Franklin av.
HALSEY C. IVES, <i>Teacher of Free-Hand</i> { <i>and Mechanical Drawing</i> {	Room 9, Ins. Ex., cor. 5th & Olive st.
WALDEMAR MALMENE, M.B., <i>Cantab.</i> <i>Teacher of Vocal Music</i>	1635 Washington av.
RUFUS J. DELANO, C.E., <i>Instructor in</i> <i>Gymnastics</i>	[sity. Washington Univer-
MRS. ANNA B. HILLMAN, <i>Teacher in</i> <i>Preparatory Department</i>	2723 Wash. st.
Miss INEZ E. BORDEN, <i>Teacher in Pre-</i> <i>paratory Department</i>	1802 Olive st.
Miss AMANDA FORD, <i>Principal of Pri-</i> <i>mary Department</i>	1802 Olive st.
Miss LIZZIE W. LEIGH, <i>Assistant Teacher</i> <i>in Primary Department</i>	3214 Sheridan av.

MARY INSTITUTE.

RESIDENCE.

- CALVIN S. PENNELL, A.M., *Principal*, 1600 Pine street.
 Miss MARY S. WATKINS, *Instructor in Latin and Natural Sciences*..... 711 Locust street.
 Miss HENRIETTA SAWYER, *Principal of Preparatory Department*..... 1621 Olive street.
 Miss MARGARET T. WALLACE, *Principal of Primary Department*..... 2926 Laclede av.
 Miss ANNA FLINTHAM, *Assistant in Primary Department*..... 2625 Lucas av.
 Miss FLORENCE K. HOLDEN, *Instructor in Penmanship and Book-Keeping*, 1349 Washington av
 Miss SARAH E. COLE, *Instructor in Natural Sciences and Mathematics*.... 103 S. 15th street.
 Miss JULIA F. RIPLEY, *Teacher of Natural Philosophy and English Branches*. 1510 Lafayette av.
 Miss MARY E. GLIDDEN, *Teacher of Reading and Composition*..... 1301 St. Ange av.
 Miss ANNIE WALL, *Teacher of History and German*..... 2810 Locust street.
 Miss CAROLINE M. PEASE, *Teacher of English Branches*..... 1909 Carr Place.
 Mrs. ANNIE L. McCARGO, *Teacher of English Branches*..... 2923 Laclede av.
 MADAME LOUISE GRANDJEAN, *Teacher of French*..... 1626 Dodier street.
 Miss HELEN E. SEAVEY, *Assistant in French and Teacher of English*.... . 1609 Wash. av.
 Mrs. JULIA M. TOWNSLEY, *Teacher of Gymnastics and English Branches*.... 1107 Dillon street.
 Mrs. KATE J. BRAINERD, *Teacher of Vocal and Instrumental Music*..... 2804 Gamble street.
 Miss SARAH M. MILLS, *Teacher of Drawing* 1321 Pine street.

GENERAL STATEMENT.

WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into the charge or charges that may be preferred, in respect thereof,

by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific School was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law School was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities for education, apparatus, library,

buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those afforded in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principle on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

"ARTICLE V.

"ENDOWMENT OF PROFESSORSHIPS.

"Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

"ARTICLE VI.

"ENDOWMENT OF DEPARTMENTS.

"Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

“ARTICLE VII.

“SPECIFIC FUNDS.

“All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University.”

THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of “*The Bridge Chancellorship*.”

THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thomas Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver.

ORGANIZATION.

WASHINGTON UNIVERSITY

COMPREHENDS :

I.—THE ACADEMY.

II.—MARY INSTITUTE.

III.—THE COLLEGE.

IV.—THE POLYTECHNIC SCHOOL.

V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Students entering the Polytechnic School and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic School without examination.

At a meeting of the Board of Directors of the University, held in November, 1874, the following resolutions were adopted :

Resolved, On recommendation of the Faculty, and with a view to the promotion of the best interests of learning and science, and for the encouragement of young men to obtain a complete education before entering upon a professional career,

1.—That the graduates of the College of the University shall have *free admission* to the classes of the Polytechnic School, either as regular or partial students, subject to the rules and regulations of the same.

2.—That the graduates of the Polytechnic School shall have *free admission* to the College classes, either as regular or partial students, subject to the rules and regulations of the same.

The following resolution was also passed, embodying the principle already in practical operation, but not previously placed upon record:

That the graduates of Mary Institute in full standing shall be entitled to free admission to the classes of the College or Polytechnic School, either as regular or partial students, on examination, and subject to the rules and regulations of said departments: it being distinctly understood that a diploma shall not be given to any such student, except on completion of the full course of study.

I.—THE ACADEMY.

FACULTY AND INSTRUCTORS.

WM. G. ELIOT, D.D.,

CHANCELLOR.

DENHAM ARNOLD, A.M.,

PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.B.

HIRAM L. PEET, A.B.

JAMES A. LANIUS.

ISAAC N. CUNDALL, A.M.

CHARLES H. STONE.

HORACE A. BROWN, LL.B.

ELI R. OFFUTT.

WM. S. CURTIS, A.B.

HALSEY C. IVES.

WALDEMAR MALMENE.

Mrs. ANNA B. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

STUDENTS.

ADVANCED CLASS.

NAMES.	RESIDENCE.
Bartels, Gustave Charles.....	Denver, Col.
Bryan, Frank T., Jr.....	1405 Pine street.
Case, Calvin M.....	Baden, St. Louis county.
Hay, John.....	Belleville, Ills.
Hinckley, Walter Raleigh.....	Belleville, Ills.
McPherson, Page.....	1701 Washington avenue.
Mense, Charles W.....	3104 Morgan street.
Ritterskamp, Louis, Jr.....	2341 State street.
Shepley, John Foster.....	1518 Washington avenue.
Thompson, George D.....	2333 Olive street.
Total 10.	

FIRST CLASS.

Adams, John.....	1545 Papin street.
Breckinridge, John.....	2303 Olive street.
Bryan, John H.....	1405 Pine street.
Clark, Robert Stewart.....	3006 Locust street.
Crump, Poindexter.....	St. Louis county.
Donnan, Alexander Coe.....	Carondelet.
Fritsch, Felix.....	Cor. Ninth and Autumn streets.
Kaime, Edwin Francis.....	Grand avenue.
McNeil, Gordon Charles.....	1806 Carr street.
Monell, Joseph.....	319 North Seventh street.
Picot, Eugene J.....	1210 Chambers street.
Raab, Ernst P.....	Belleville, Ills.
Shapleigh, Richard Waldron..	1229 Washington avenue.
Thomas, Benjamin F.....	Central Township.
Von Schrader, Otto.....	1315 Garrison avenue.
Wulfig, Max.....	1919 Gratiot street.
Total, 16.	

SECOND CLASS.

NAMES.	RESIDENCE.
Aderton, Joseph G.....	2651 Olive street.
Aull, Wilson.....	1520 Lucas Place.
Baron, Julius.....	1214 South Fifth street.
Campbell, Hazlett K.....	1508 Lucas Place.
Campbell, James A.....	1508 Lucas Place.
Dryden, Nathaniel J.....	1112 Madison street.
Fishback, Louis M.....	Kirkwood.
Jackson, Edward F.....	Washington ave., west of Grand
John, Rudolph.....	1804 South Ninth street.
Kalb, Theodore.....	902 Gratiot street.
Kennett, George C.....	2835 Pine street.
Lafin, Sylvester H., Jr.....	1218 Olive street.
Papin, Theophile.....	2014 Olive street.
Perkins, Nathan W., Jr.....	1503 Chestnut street.
Sappington, Lewis A.....	Sappington, Mo.
Shepley, George F.....	1518 Washington ave.
Turner, Henry V. J.....	1706 Lucas Place.

Total, 17.

THIRD CLASS.

Babcock, Wm. Lester.....	S.E. cor. Lafayette & Jefferson av
Bain, Robert E. M.....	Benton Place.
Bell, Ernest B.....	3623 Olive street.
Belt, Harry.....	3016 Locust street.
Block, Robert C.....	Aberdeen, Mo.
Bremermann, Robert G.....	928 Winter street.
Cameron, Edward Arthur.....	1524 Mississippi ave.
Carr, George A.....	1908 Wash street.
Chamberlain, Elliot H.....	1819 Washington ave.
Cobb, Addison M.....	1520 Pine street.
DeFoe, William F.....	Manchester P. O.
Duffer, Charles H.....	425 South Fifteenth street.
Filley, Augustus.....	1614 Olive street.

NAMES.	RESIDENCE.
Filley, William Joseph.....	1527 Lucas Place.
Flake, Albert.....	Galveston, Texas.
Freligh, Louis H., Jr.....	1436 North Francis street.
Gerdemann, Herman.....	Pendleton, Mo.
Gibson, Charles B.....	2922 Olive street.
Heermans, Henry P.....	1827 Washington avenue.
Helfenstein, Philip, Jr.....	Webster Groves, Mo.
Helmerichs, Adolph G.....	1141 South Sixteenth street.
Jackson, George R.....	1500 Pine street.
Kaime, Benjamin E.....	Grand ave., cor. Washington ave
Kaime, George James.....	Grand ave., near Morgan street.
Klein, Fred. Ernst.....	Belleville, Ills.
Leathe, Samuel.....	2700 Lucas avenue.
Leigh, Herbert.....	3214 Sheridan avenue.
Malin, John H.....	Laclede Hotel.
Mallinckrodt, Emil, Jr.....	Central Township.
Mason, Charles B.....	1208 Chambers street.
McHatton, Charles G., Jr.....	2131 Walnut street.
Nulsen, Max August.....	1641 Missouri avenue.
Page, Lewis.....	1918 North Twelfth street.
Papin, George.....	Webster Groves, Mo.
Pfouts, James.....	3412 Morgan street.
Pilley, Lytton W.....	Iron Mountain, Mo.
Rea, George Thomas.....	2707 Mill street.
Russell, S. Bent.....	..Oak Hill, Mo.
Switzer, Robert J.....	1725 Washington avenue.
Teichmann, Wm. Charles.....	1006 Hickory street.
Utterback, Charles B.....	3014 Morgan street.
Westermann, Alfred O.....	1926 Carr street.
Willis, Fred Charles.....	1621 Washington avenue.
Wiseman, Oliver F.....	3531 Chestnut street.
Wyman, Arthur.....	3637 Lindell avenue.

Total, 45.

FOURTH CLASS.

NAMES.	RESIDENCE.
Adams, Frank E.....	1527 Pine street.
Adams, Frank J.....	1545 Papin street.
Baker, John L.....	1208 Washington avenue.
Beakey, Edward James.....	1508 Washington avenue.
Branch, Joseph C.....	3803 Bellefontaine road.
Bryan, P. Taylor.....	1405 Pine street.
Cavender, James S.....	Benton Place.
Charles, Frank T.....	2229 Pine street.
Christy, John K.....	3536 Morgan street.
Clark, W. Glenn.....	1530 Washington avenue.
Cline, George W., Jr.....	840 South Eighth street.
Cole, John Watson	Potosi, Mo.
Collins, Thomas Richeson....	2119 Eugenia street.
Finch, Lewis Montrose.....	1114 Madison street.
Fishback, George W., Jr.....	Kirkwood.
Frederick, Wm. C.....	3112 Bell street.
Gatzweiler, Arthur.....	St. Charles.
Gazzam, Joseph Parker.....	2810 Pine street.
Gildehaus, Henry William....	1910 Gratiot street.
Glasgow, Julian K.....	1510 Washington avenue.
Gregg, William H., Jr.....	2639 Pine street.
Holloway, Frank W.....	Manchester, Mo.
Hornthal, Emmanuel.....	Vicksburg, Miss.
Houston, Frank M.....	2913 Morgan street.
Irion, Paul.....	Femme Osage, St. Chas. Co., Mo
Kennnett, Kenneth Wilson....	2835 Pine street.
Kinear, Hamilton E.....	3104 Locust street.
Kroutinger, Alfred W., Jr.....	Mt. Vernon, Ala.
Lane, Presley Carr.....	Pine street, beyond Grand ave.
Mallinckrodt, Oscar.....	Central P. O., St. Louis county.
McKittrick, Adam McM.....	1628 Pine street.
Merrell, Hubert S.....	1207 Washington avenue.
Moeller, John.....	Waterloo, Ills.
Moore, John A.....	1221 St. Ange avenue.
Nicholson, David.....	1108 Garrison avenue.
Obear, Thomas S.	Grand ave., near Lafayette ave.

NAMES.	RESIDENCE.
Orr, William A.....	Lafayette avenue.
Otto, William J.....	1701 Wash street.
Patrick, Warner K.....	1618 Washington avenue.
Peper, Charles, Jr.....	1522 Morgan street.
Plessner, Henry.....	Holden, Mo.
Rosenheim, Alfred.....	3042 Locust street.
Rumbold, Frank M.....	1205 Washington avenue.
Scudder, William, Jr.....	St. Louis Township.
Shapleigh, Alfred Lee.....	1229 Washington avenue.
Starkweather, Oakley B.....	Lafayette av. bet. May & Thomas
Stifel, Herman C.....	966 Chouteau avenue.
Talmage, Charles H.....	2223 Lafayette avenue.
Wakefield, Loren A.....	Laclede Hotel.
Watson, John T., Jr.....	3022 Easton avenue.
Whitelaw, Charles W.....	Southern Hotel.
Willis, Charles L.....	413 North Eighth street.
Withington, Arthur W.....	2816 Olive street.
Woods, Samuel N.....	Woodlawn, Mo.

Total, 54.

FIFTH CLASS.

NAMES.	RESIDENCE.
Aglar, Frank B.....	2729 Olive street.
Anderson, James W.....	3017 Easton avenue.
Babbitt, Edwin B.....	Jefferson Barracks.
Baker, Jesse G.....	1208 Washington avenue.
Bennett, Willie R.....	3406 Washington avenue.
Bowen, William, Jr.....	Laclede Hotel.
Bremmermann, Charles M.....	928 Winter street.
Button, Alfred A.....	1402 North Fourteenth street.
Clarke, Alexander T.....	1120 Locust street.
Colman, Frank P.....	St. Louis Township.
Dieckriede, Robert C.....	1613 Chouteau avenue.
Givens, Joseph S.....	2909 Morgan street.
Gordon, Robert C.....	2601 Olive street.
Hager, August Wm.....	1301 Carondelet avenue.

NAMES.	RESIDENCE.
Herndon, Eddie L.....	2727 Morgan street.
Hornthal, Moses.....	Vicksburg, Miss.
Koenig, Franklin O.....	1000 Sidney street.
McCauseland, Henry W.....	Cheltenham, Mo.
McHatton, James A.....	2131 Walnut street.
McLaran, Robert L.....	1628 Lucas Place.
Mitchell, Samuel J., Jr ..	2036 Wash street.
Obermeyer, Lewis.....	1801 Kennett Place.
Offutt, Marshal M.....	2734 Thomas street.
Perry, Richard E.....	719 Garrison avenue.
Renick, Guy G.....	924 Chouteau avenue.
Rose, Louis.....	2937 Hickory street.
Samuel, Edward M.....	2341 Chestnut street.
Simon, Charles Fitzhugh.....	2821 Locust street.
Singer, William	1311 LaSalle street.
Stanard, William K.....	1417 Chouteau avenue.
Stone, Cola E.....	1017 North Sixteenth street.
Swift, Roswell B.....	2135 Eugenia street.
Talmage, Harry A.....	2223 Lafayette avenue.
Taussig, Walter M.....	1526 Mississippi avenue.
Taylor, George R.....	1804 Lucas Place.
Tower, George F., Jr.....	Grand avenue. [Miss.
Ward, James W.....	Leota Landing, Washington Co.
Will, Samuel.....	1617 Dodier street.
Total, 38.	

FIRST PREPARATORY SCIENTIFIC CLASS.

NAMES.	RESIDENCE.
Andrews, Lewis P.....	Carondelet, Mo.
Aufderheide, Benjamin F.....	922 North Fourteenth street.
Carr, Paschall.....	2735 Chestnut street.
Clifford, Charles T.....	Clarksville, Mo.
Jacobs, Fred.....	Jerseyville, Ills.
McPike, William H.....	New London, Ralls Co., Mo.
Melcher, Charles W.....	2103 Clark avenue.
Mills, Herbert Willis.....	2125 Pine street.
Newington, Harry M.....	101 South Fifteenth street.
Total, 9.	

SECOND PREPARATORY SCIENTIFIC CLASS.

NAMES.	RESIDENCE.
Abend, Alexander P. E.....	Belleville, Ills.
Bryan, Kenneth.....	Kirkwood.
Feickert, Julius.....	Belleville Ills.
Hazeltine, Wm. B., Jr.....	2731 Pine street.
Loring, Fred. L.....	801 Mound street.
McKinley, Andrew.....	Southern Hotel.
Olcott, Edward Samuel.....	Webster Groves, Mo.
Pimm, L. J. Clawson.....	Belleville, Ills.
Ropiequet, Otto W.....	Belleville, Ills.
Smithers, Mellville Libby.....	207 South Fifteenth street.
	Total, 10.

COMMERCIAL CLASS.

NAMES.	RESIDENCE.
Bartlett, Andrew W.....	2312 Eugenia street.
Block, William A.....	1632 Warren street.
Blossom, Russell N.....	1349 Washington avenue.
Crandall, Willard R.....	3431 Morgan street.
Creveling, William Clement.....	1425 Lucas Place.
Fabian, Werner.....	1417 Park avenue.
Gerdemann, August.....	Cappeln, Mo.
Gilbert, Matthew J.....	Tony street, near Park avenue.
Gildehaus, Richard F.....	1910 Gratiot street.
Hayward, Harry E.....	1833 Wash street.
Hirschberg, Louis, jr.....	1308 Olive street.
Johnston, Edward M.....	2714 Dayton street.
Kefersteine, William Louis.....	1128 St. Ange avenue. [street.
Leonhardt, Ernst F. A.....	Cor. 2d Carondelet av. & Victor
McHatton, Robert L.....	2131 Walnut street.
McLeod, John G.....	2727 Dayton street.
Oeters, George Casper.....	209 South Main street.
Robbins, James L.....	Atchison, Kansas.
Scholer, Maxwell.....	3002 Cass avenue.
Tilden, Charles.....	2909 Lucas avenue.
Whitmore, Fred. M.....	Quincy, Ills.
	Total, 21.

PREPARATORY CLASS.

NAMES.	RESIDENCE.
Ames, Henry Semple.....	1615 Lucas Place.
Anderson, Arthur.....	1631 Carr street.
Bain, George Grantham.....	Benton Place.
Bosworth, Chas. Eben.....	2109 Eugenia street.
Capen, Samuel D.....	1520 Olive street.
Chambers, James Harry.....	1605 Washington av.
Cruikshank, Geo. A.....	Elleardsville P. O.
Denny, Albert J.....	Rock Springs, Mo.
Dent, Wm. B.....	3407 Washington avenue.
Gordon, Lindell.....	2601 Olive street.
Grindon, Arthur T.....	2311 Market street.
Hodges, Abel B. W.....	2115 Walnut street.
Jacobs, Michælis E	3142 Locust street.
January, Derrick A.....	1137 Washington avenue.
Lefmann, Julius H.....	913 N. Market street.
Lewis, Augustus Gaylord.....	2909 Franklin avenue.
Logan, Floyd T.....	620 Beaumont street.
McDonald, Malcolm.....	200 N. Eighth street.
McKittrick, Geo. H.....	1628 Pine street.
McKittrick, Thomas.....	1119 Washington avenue.
McNeil, Wm. E.....	1806 Carr street.
Murdock, John J., Jr.....	Laclede Station.
Pegram, Frank R.....	1321 Chouteau avenue.
Petring, Geo. Henry.....	1709 Wash street.
Roeder, Louis.....	Freeburg, St. Clair Co., Ill
Roos, Wm. E.....	1021 S. Twelfth street.
Rose, Henry.....	2937 Hickory street.
Smith, Irwin Z.....	2702 Olive street.
Tilden, Grant.....	2909 Lucas avenue.
Turner, Wilson P. H	1706 Lucas Place.
Von Schrader, George.....	1315 Garrison avenue.
Wall, Nicholas Roe.....	3139 Lucas avenue.
Ward, Junius R.....	Leota Landing, Washington Co.
Whitelaw, George G.....	Southern Hotel. [Miss.
Winter, Ruffin S.....	1131 St. Ange avenue.

NAMES.	RESIDENCE.
Wiseman, Arthur A.....	3531 Chestnut street.
Zukoski, Edmund L.....	2709 Dayton street.
Total, 37.	

PRIMARY CLASS.

NAMES.	RESIDENCE.
Ames, Edgar.....	1605 Lucas Place.
Anderson, Louie A.	3017 Easton avenue.
Baker, Frank.....	1208 Washington avenue.
Baker, Levin H.....	Cor. 13th and Washington av.
Bartholow, Russell N.....	3144 Locust street.
Bogy, Bernard P.....	1610 Lucas Place.
Bogy, Louis V., Jr.....	1610 Lucas Place.
Brackett, Darville S. A.....	1309 Washington avenue.
Carter, Henry.....	St. Louis Township.
Cavender, Edward R.....	Benton Place.
Chamberlain, Fred. B.....	1819 Washington avenue.
Clark, Rufus L.....	1530 Washington avenue.
Clemens, James.....	Cor. 20th and Cass avenue.
Colburn, Walter B.....	310 N. Eleventh street.
Collins, Horace C.....	2119 Eugenia street.
Cook, Isaac, Jr.....	Southern Hotel.
Cundall, Walter A.....	1919 Biddle street.
Davis, John T., Jr.....	3131 Lucas avenue.
Dougherty, James E.....	2716 Olive street.
Felt, Wm. S.....	Lindell Hotel.
Filley, Victor G.....	1527 Lucas Place.
Gordon, Clarence M.....	2601 Olive street.
Grindon, Alfred J.....	2711 Market street.
Harney, Benjamin.....	1426 Lucas Place.
Hebard, Alfred P.....	1618 Olive street.
Jacobs, Morris.....	3142 Locust street.
Kaime, Wm. W.....	Grand avenue.
Lackland, Henry K.....	2706 Lucas avenue.
Leighton, Geo. B.....	Glendale, Mo.
Macqueen, Alexander N.....	Park av., west of Mississippi av.

NAME.	RESIDENCE.
Malmene, Chas. W.....	1635 Washington avenue.
Maude, Lees.....	1731 Washington avenue.
McDonald, Nathaniel.....	
McIlhany, Richard B.....	2734 Thomas street.
McLaran, James O.....	1628 Lucas Place.
Murdock, George.....	Laclede Station.
O'Fallon, Frank M.....	Lindell Hotel.
Peper, Adolph S.	1522 Morgan street.
Richards, Eben 3d.....	1803 Washington avenue.
Ridgely, Samuel W.	2631 Washington avenue.
Russell, Charles M.....	Oak Hill, Mo.
Russell, Daniel R.....	Oak Hill, Mo.
Russell, Edward M.....	Oak Hill, Mo.
Samuel, Wm. R.....	2341 Chestnut street.
Simpkins, Allan S.....	1107 Dillon street.
Smith, Baron P.....	Carondelet.
Steedman, James H.....	1125 Washington avenue.
Stone, Percy W.....	1017 N. Sixteenth street.
Storer, Frank D.....	3015 Locust street.
Taylor, Walter C.....	1804 Lucas Place.
Thompson, Frank C.....	Lindell Hotel.
Van Studdiford, Chas. D. K....	1623 Olive street.
Walker, Benjamin	1629 Chestnut street.
Walker, George.....	1629 Chestnut street.
Total, 54.	

ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of

the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic School of the University.

ACADEMIC COURSE OF STUDY.

FOURTH CLASS.

Mathematics.—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

Geography.—Warren's Common School.

History.—Anderson's.

English Grammar.—Green's Introductory.

Latin.—Harkness's Introductory Latin Book.

Reading, Writing and Spelling; Composition.

THIRD CLASS.

FIRST TERM.

Mathematics.—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

Latin.—Harkness's Introductory Latin Book.

English Grammar.—Parsing and Analysis.

Reading, Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics —Walton's Higher Arithmetic.

Grammar.—Parsing and Analysis.

Latin.—Harkness's Latin Reader.

Reading, Writing and Spelling; Composition and Declamation.

SECOND CLASS.

FIRST TERM.

Geography.—Warren's Physical Geography.

Latin.—Harkness's Cæsar.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Walton's Higher Arithmetic.

Latin.—Harkness's Cæsar.

Greek.—Harkness's First Greek Book.

Writing and Spelling ; Composition and Declamation.

FIRST CLASS.

FIRST TERM.

Physiology.—Dalton's.

Latin —Harkness's Cæsar.

Greek.—Harkness's First Greek Book; Felton's Greek Reader.

History.—English History.

German.—Otto's German Grammar.

Composition and Declamation.

SECOND TERM.

Mathematics.—Greenleaf's Algebra.

Latin.—Æneid of Virgil.

Greek.—Felton's Greek Reader.

History.—English History.

German.—Comfort's German Reader.

Composition and Declamation.

ADVANCED CLASS.

FIRST TERM.

Latin.—Æneid of Virgil.

Greek.—Felton's Greek Reader; Greek Composition.

Mathematics.—Greenleaf's Algebra.

German.—Maria Stuart.

History.—Smith's Smaller Greece.

Composition and Declamation.

SECOND TERM.

Latin.—Cicero's Orations; Latin Prose Composition.

Greek.—Anabasis; Greek Prose Composition.

Mathematics.—Chauvenet's Geometry, three books.

German.—William Tell.

History.—Smith's Smaller Rome.

Composition and Declamation.

PREPARATORY SCIENTIFIC CLASS.

FIRST TERM.

Algebra.—Greenleaf's Elementary.

Physiology.—Dalton's.

German.—Otto's Grammar; Comfort's German Reader.

History.—English History.

Composition and Declamation.

Geometry and Mechanical Drawing.

SECOND TERM.

Algebra.—Greenleaf's Elementary, through Quadratics.

Geometry.—Chauvenet's three books.

Philosophy.—Rolfe and Gillet's.

History.—English History.

German.—William Tell.

Geometry and Mechanical Drawing.

Composition and Declamation.

COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of the Academy, and classes are trained by a competent instructor.

EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, public examinations are held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing, and general progress of each student, to which the attention of parents and guardians is especially invited.

TUITION.

Primary Class, per term of 20 weeks.....	\$25 00
Preparatory " " "	30 00
Fourth " " "	35 00
Third " " "	37 50
Second " " "	40 00
First " " "	42 00
Advanced " " "	45 00
Commercial " " "	50 00
Preparatory Scientific, per term of 20 weeks....	50 00

These rates are for the current year only.

No *extra charge of any kind will be made*, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

II.—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home. for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic School of the University.

BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,
HUDSON E. BRIDGE,
JOHN R. SHEPLEY,

HENRY HITCHCOCK,
GEORGE PARTRIDGE,
CARLOS S. GREELEY.

FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*
CALVIN S. PENNELL, A.M., *Principal.*
Miss MARY S. WATKINS.
Miss HENRIETTA SAWYER.
Miss MARGARET T. WALLACE.
Miss FLORENCE K. HOLDEN.
Miss SARAH E. COLE.
Miss MARY E. GLIDDEN.
Miss ANNIE WALL.
Miss JULIA F. RIPLEY.
Miss CAROLINE M. PEASE.
Mrs. ANNIE L. McCARGO.
Miss HELEN E. SEAVEY.
Miss ANNA FLINTHAM.
MADAME LOUISE GRANDJEAN.
Mrs. KATE JONES BRAINERD.
Miss SARAH M. MILLS.
Mrs. JULIA M. TOWNSLEY.

STUDENTS.

SENIOR ADVANCED CLASS.

NAME.	RESIDENCE
Desloge, Clara.....	Benton Place.
Desloge, Zoe.....	Benton Place.
Johnson, Emilie D	921 Pine street
Wyman, Florence.....	Lindell avenue.

Total, 4.

JUNIOR ADVANCED CLASS.

Allen, Annie L.....	1414 Lucas Place.
Ballenger, Emma S.....	2706 Dayton street.
Breed, Hermione.....	2720 Washington avenue
Clark, Anna M.....	2653 Washington avenue.
Dunnica, Sadie.....	1307 Pine street.
Horton, Carrie B.....	Lindell, above Grand avenue.
Kellogg, E. Louise.....	1233 Washington avenue.
Scollay, Josephine.....	3030 Washington avenue.

Total, 8.

FIRST ACADEMIC CLASS.

Groshon, Nellie.....	Webster.
Holman, Mary E.....	Page av., bet. Spring & Prairie
Kribben, Edith W.....	923 Amelia avenue.
Miller, Katie.....	3423 Washington avenue.
Pegram, Minnie S.....	1321 Chouteau avenue.
Pulsifer, Nellie E.....	Kennett Place.
Sellar, Marie E. A.....	2218 Chestnut street.
Shackelford, Genevieve.....	2721 Locust street.
Vallé, Jessie A.....	2710 Washington avenue.

Total, 9.

SECOND ACADEMIC CLASS.

NAME.	RESIDENCE.
Belcher, Lucy Virginia.....	1009 Chouteau avenue.
Bennett, Jennie S.....	3406 Washington avenue.
Block, Lucretia M.....	2637 Pine street.
Bremermann, Helen A.....	928 Winter street.
Brooks, Josie C.....	1216 Pine street.
Farrar, Agnes K.....	N.E. cor. Lucas Place & 15th st
Glasgow, Sarah L.....	3016 Glasgow Place.
Jennings, Clara G.....	1515 Chestnut street.
Jewett, Mary.....	2918 Morgan street.
Pettes, Nellie G... ..	2812 Locust street.
Pollock, Nora.....	1103 Vallé avenue.
Powell, Lennie.....	2712 Lucas avenue.
Sparr, Amie D.....	1332 Chouteau avenue.
Swanwick, Nannie T.....	1626 Dodier street.
Thornburgh, Sallie L. F.....	3534 Washington avenue.
Whitely, Evelyn A.....	1505 Spruce street.

Total, 16.

THIRD ACADEMIC CLASS.

Bain, C. Louise.....	Benton Place.
Bent, Mary L.....	717 Garrison avenue.
Chase, Ida W.....	Grand avenue.
Claiborne, Nathalie.....	3341 Morgan street.
Clapp, Lillie F.....	1527 Lucas Place.
Clark, Lizzie P.....	1530 Washington avenue.
Colcord, Fannie C....	2800 Morgan street.
Dodd, Mary L.....	1705 Washington avenue.
Fell, Ida B.....	2907 Laclede avenue.
Fogg, Mary L.....	1330 Washington avenue.
Gage, Fannie S.....	McClure avenue, near Grand.
Hargadine, Julia.....	1416 Washington avenue.
Jackson, Annie M.....	1500 Pine street.
Libby, Cora.....	2628 Washington avenue.
Lionberger, Mary A.....	1601 Olive street.
Miltenberger, Katie C.....	1207 Chouteau avenue.

NA ^{ES} .	RESIDENCE.
Orr, Katie M.....	Compton Hill.
Richards, Grace.....	1803 Washington avenue.
Runyan, Mary D.....	West Belleville, Ills.
Stillwell, Sallie H.....	2604 Olive street.
Sylvester, Helen L.....	2305 Walnut street.
Talmage, Nellie E.....	2223 Lafayette avenue.
Total, 22.	

FOURTH ACADEMIC CLASS.

Beattie, Annie.....	2007 Eugenia street.
Breed, Susie P.....	2720 Washington avenue.
Cooper, Grace Susan.....	1117 Chestnut street.
Day, Anna C.....	2737 Locust street.
Dedman, M. Allien.....	Webster.
Dryden, Mary C.....	Cor. California ave. & Miami st.
Finch, Julia B.....	1114 Madison street.
Gregg, Clara J.....	2639 Pine street.
Harrison, Brianna L.....	2821 Morgan street.
Hemple, Annie C.....	2703 Lucas avenue.
Hinde, Vernetta.....	Caroline ave., Côté Brilliante.
Holland, Mary M.....	Glendale.
Lackland, Daisy.....	1623 Lucas Place.
Lightburne, Fannie.....	3535 Carondelet avenue.
Lightner, Mary E.....	1637 Washington avenue.
Manny, Belle.....	2710 Olive street.
M'Laran, Ella.....	1628 Lucas Place.
Morehead, Ida M.....	3035 Washington avenue.
Moulton, Mellie J.....	2614 N. Ninth street.
Rumbold, Mildred E.....	1205 Washington avenue.
Scott, Lulu Q.....	3018 Lucas avenue.
Simon, May R.....	2821 Locust street.
Sproule, Annie J.....	2212 Olive street.
Stanford, Alice M.....	1615 Olive street.
Thornburgh, Jennie R.....	3534 Washington avenue.
Tower, Nellie P.....	Grand av., bet. Lafayette and Vallé, Julia.....1516 Lucas Place. [Park av.
Wall, Lulu B.....	2702 Locust street.
Wickham, Fanny G.....	1712 Lucas Place.
Total, 29.	

FIFTH ACADEMIC CLASS.

NAMES.	RESIDENCE.
Anderson, L. Josephine.....	1033 Chouteau avenue.
Barret, Martha M.....	2930 Locust street.
Bent, Lucy R.....	717 Garrison avenue
Blow, Eliza A. W.....	2927 Pine street.
Chauvin, Lucille M.....	1308 Olive street.
Colman, Laura K.....	Olive-street Road.
Eisenstadt, Jennie.....	3142 Locust street.
Hayward, Fanita.....	1833 Carr Place.
Herndon, Jennie L	Papin av., Côté Brilliante.
Hermann, Adelaide T.....	2626 Olive street.
Johnson, Nancy L.....	921 Pine street.
Keiler, Elizabeth.....	1131 Washington avenue.
Kimball, Ninette.....	1103 Paul street.
McPheeters, Sallie G.....	1000 Olive street.
Newman, Lemira M.....	3037 Washington avenue.
Orr, Belle L.....	Compton Hill.
Pegram, Ida.....	1321 Chouteau avenue.
Powell, Edith.....	2712 Lucas avenue.
Reed, Lizzie L.....	2910 Pine street.
Rutherford, Lucile Z.....	2808 Locust street.
Schrader, Julia von.....	1315 Garrison avenue.
Sparr, Fannie.....	1332 Chouteau avenue.
Speck, Ella I. F.....	1206 Morrison avenue.
Swain, Lillie I.	1203 Chambers street.
Switzer, Eugenia.....	1725 Washington avenue.
Teasdale, Lucy Byrd	1223 St. Ange avenue.
Vallé, Ida 'M.....	1516 Lucas Place.
Walls, Cora.....	Greenville, Ill.
White, Mollie A	2626 Mill street.
Whitman, Hattie.....	3139 Lucas avenue.
Total, 30.	

FIRST PREPARATORY CLASS.

Ames, Ada Semple.....	1615 Lucas Place.
Baker, Lizzie F.....	2704 Morgan street.
Bartlett, Abbie T.....	2312 Eugenia street.

MARY INSTITUTE.

37

NAME.	RESIDENCE.
Bondurant, Myrah G.....	2714 Lucas avenue.
Campbell, Cora E.....	2918 Washington avenue.
Clover, Mary M.....	2116 Clark avenue.
Cooper, May G.....	1117 Chestnut street.
Day, Carolyn B.....	1703 Olive street.
Field, Lillie C.....	3013 Thomas street.
Filley, Anna K.....	1614 Olive street.
Finch, Alice L.....	1114 Madison street.
Greene, Julia M	19 S. Fifteenth street.
Gumersell, Ida B.....	2837 Morgan street.
Hargadine, Mary McC.....	1416 Washington avenue.
Holman, Lucy E.....	Page av., bet. Spring & Prairie.
Horton, Katie M.....	Lindell av., above Grand.
Howard, Katie.....	2700 Locust street.
Huntington, Grace T.....	3202 Olive street.
Jouett, Mary L.....	1424 Olive street.
Kimbrough, Katie E.....	2730 Morgan street.
Lewis, Sallie.....	3014 Morgan street.
Liggett, Cora B.....	2921 Locust street.
Logan, Mary E.....	1510 N. 15th street.
McPherson, Sophie E.....	1701 Washington av.
Parks, Alma J.....	Summit av., S. of Chouteau.
Peper, Maggie P.....	1522 Morgan street.
Poujaud, Anita.....	1423 Pine street.
Shepley, Mary L.....	1518 Washington avenue.
Sherman, Edith B.....	2633 Locust street.
Shultz, Mary J.....	1201 Garrison av.
Smith, Lillie K	Carondelet.
Wainwright, Katie A.....	1121 Morrison avenue.
Walker, Alby M.....	2920 Pine street.
Woodburn, Ella M.....	3024 Belle street.
Total, 34.	

SECOND PREPARATORY CLASS.

Baker, Clara Bell.....	1330 Washington avenue.
Bernard, Lucia W.....	1122 Ham street.
Bogy, Julia A.....	1610 Lucas Place.
Bondurant, Louise C.....	2714 Lucas avenue.

NAMES.	RESIDENCE.
Cooper, Laura B.....	1117 Chestnut street.
Eliot, Rose.....	2660 Washington avenue.
Gibson, Elizabeth R.....	Cor. Lafayette av. & Easton Pl.
Gibson, Louisa K.....	618 Beaumont street.
Gumersell, Louisa B.....	2837 Morgan street.
Holmes, Laura.....	1914 Wash street.
Huntington, Mattie E.....	3202 Olive street.
Logan, Alida F.....	1510 N. 15th street.
Louderman, Georgianna C....	Southern Hotel.
Maurice, Mary A.....	Park av., bet. Mo. & Armstrong.
Plant, Carrie A.....	3008 Lucas avenue.
Richards, Carrie L.....	1803 Washington avenue.
Scott, Carrie C.....	3018 Lucas avenue.
Spinzig, Frances.....	1200 South Fifth street.
Willis, Lillian S.....	1621 Washington avenue.
Total, 19.	

THIRD PREPARATORY CLASS.

Allen, Alice Maud.....	1414 Lucas Place.
Betts, Carrie.....	2129 Walnut street.
Bremermann, Clara.....	928 Winter street.
Bridge, Amy.....	Glendale.
Copelin, Emma R.....	Compton Hill.
Evens, Laura A.....	2814 Locust street.
Fell, Edith C.....	2905 Laclede avenue.
Gordon, Lillie.....	2601 Olive street.
Johnston, Annie E....	Prairie av., bet. Evans & Easton
Kaime, Mary L.....	Cor. Grand av. and Morgan st.
Kennett, Lucy S.....	1504 Washington avenue.
Lewis, Hattie E.....	1015 Compton avenue.
Mackenzie, Georgie.....	1510 Walnut street.
McKittrick, Jane E.....	1628 Pine street.
McLaughlin, Stella.....	922 Locust street.
Noland, Nellie	3148 Locust street.
Owen, Addie C.....	2647 Washington avenue.
Reber, Maud.....	3012 Lucas avenue.
Smith, Hettie W.....	1118 St. Ange avenue.

MARY INSTITUTE.

39

NAMES.	RESIDENCE.
Tennent, Zaidee.....	3016 Lucas avenue.
Thornton, Sallie H.....	1813 Olive street.
Whitman, Jessie L.....	3139 Lucas avenue.

Total, 22.

FOURTH PREPARATORY CLASS.

Ames, Mary Semple.....	1615 Lucas Place.
Beach, Alice E.....	3024 Franklin avenue.
Benton, Katie S.....	1604 Lucas Place.
Berchelman, Lillie M.....	928 Winter street.
Brown, Cynthia M.....	Fairview, Mo. [avenues.
Kaime, Fannie I.....	N. E. cor. Washington & Grand
Kehlor, Carrie E.....	3002 Pine street.
Liggett, Ella D.....	2921 Locust street.
McLaran, Mary Alice.....	1628 Lucas Place.
Moore, Bettie W.....	2606 Gamble street.
Perry, Laura.....	719 Garrison avenue.
Powell, Emma W.....	2712 Lucas avenue.
Rogers, Mary A.....	1220 Olive street.
Smucker, Belle.....	1115 Washington avenue.
Taylor, Louisa K.....	Lucas Place.

Total, 15.

PRIMARY CLASS.

Bartlett, Harriet G.....	2312 Eugenia street.
Beck, Ada Isabel.....	Lindell Hotel.
Beck, Julia.....	Lindell Hotel.
Bennett, Cornelia Ellen	3406 Washington avenue.
Benton, Lucy B.....	1604 Lucas Place.
Boyd, Lulu C.....	2129 Eugenia street.
Boyd, Margaret C.....	2129 Eugenia street.
Boyle, Lena S.....	1302 Washington avenue.
Britton, Sarah.....	3409 Morgan street.
Broadhead, Nannie D.....	Lafayette avenue.
Capen, Fannie I.....	1520 Olive street.
Chamberlain, Harriet E.....	1819 Washington avenue.
Clark, Virginia L.....	1530 Washington avenue.

Names.	Residence.
Clemens, Lillie.....	Cor. 21st street and Cass ave.
Cole, Rachel H.....	1728 Lucas Place.
Corbitt, Sallie M.....	1812 Wash street.
Gregg, Julia.....	2639 Pine street.
Gregg, Ora L.....	2639 Pine street.
Harrison, Medora S.....	2821 Morgan street.
Holmes, Susie.....	1914 Wash street.
January, Edith.....	1137 Washington avenue.
January, Jeanette.....	1137 Washington avenue.
January, Mary B.....	1137 Washington avenue.
Johnson, Eugenia V.....	921 Pine street.
Johnson, Lizzie L.....	921 Pine street.
Kauffmann, Frances P.....	2816 Adams street.
Kittredge, Jeanette Y.....	1906 Wash street.
Lackland, Mary S.....	2706 Lucas avenue.
Lee, Ellen D.....	3025 Morgan street.
McKittrick, Martha.....	1119 Washington avenue.
McPheeters, Fannie W.....	1000 Olive street.
Moore, Cleon D.....	1401 Morgan street.
Niccolls, May.....	2651 Washington avenue.
O'Fallon, Caroline Ruth.....	Lindell Hotel.
Patrick, Clara M.....	1618 Washington avenue.
Pearson, Grace B.....	1525 Carr street.
Price, Lucy R.....	Shaw's Park.
Richards, Ellen.....	2608 Locust street.
Shepley, Annie.....	1518 Washington avenue.
Smith, Lizzie W.....	1118 St. Ange avenue.
Sterling, Alma.....	1318 Chouteau avenue.
Sterling, Hildegard.....	1318 Chouteau avenue.
Stottlemeyer, Minnie B.....	1912 Wash street.
Taylor, Agnes R.....	1804 Lucas Place.
Teasdale, J. Mary.....	2303 Park avenue.
Tennent, Mary C.....	3016 Lucas avenue.
Wickham, Lucy C.....	1712 Lucas Place.
Williams, Annie.....	2930 Laclede avenue.
Woodson, Julia M.....	2817 Morgan street.
Wright, Annie M.....	Laclede Hotel.
Wright, Blanche L.....	Laclede Hotel.
Young, Laura W.....	2117 Pine street.

[Total, 52.]

COURSE OF STUDY.

PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

PREPARATORY DEPARTMENT.

FOURTH PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Elementary.

Mathematics.—Felter's Primary Arithmetic; Federal Money.

Writing.—Begun and continued through the course.

Drawing.—Begun and continued through the course.

French.—Chouquet's First Lessons.

Vocal Music.—Begun and continued through the course.

SECOND TERM.

English Language.—Reading and Spelling.

Geography.—Guyot's Intermediate; Blackboard Exercises.

Mathematics.—Felter's Intermediate Arithmetic.

French.—Chouquet's First Lessons; Florian.

Music.—Elementary Instruction continued.

THIRD PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps.

Mathematics.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

French.—Chouquet's First Lessons; Florian.

Music.—Elementary Instruction continued.

SECOND TERM.

English Language.—Reading, Spelling and Grammar.

Geography.—As found in History of the United States.

History.—Read Berard's United States.

Mathematics.—Written Arithmetic; Oral continued.

French.—Chouquet's First Lessons; Florian.

Music.—Elementary Instruction continued.

SECOND PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading, Spelling and Grammar.

Geography.—Text Book, with Drawing Maps on the Blackboard.

History.—Read Sewell's History of Rome.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading, Spelling and Grammar.

Geography.—Guyot's Intermediate reviewed.

History.—Read Sewell's History of Rome.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

FIRST PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Butler's Grammar.

Physiology.—House I Live in.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

French.—Chouquet's First Reader; Florian; Masson's Dictionary in this and the following classes.

SECOND TERM.

English Language.—Reading and Spelling; Butler's Grammar.

History.—Anderson's United States; Geography.

Botany.—Oral Instruction and Analysis.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

French.—Chouquet's First Reader; Florian.

ACADEMIC DEPARTMENT.

FIFTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Definitions and Sentences; Grammar.

Geography.—Guyot's Common School.

History.—Read Dickens's England.

Mathematics.—Oral and Written Arithmetic.

French.—Fasquelle's First Course; La Fontaine.

Music.—Elementary Instruction continued.

Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

English Language.—Reading, Spelling and Defining.

Grammar.—Analysis of Sentences.

History.—Dickens's History of England, with study of Geography and Biography.

Botany.—Oral Instruction and Analysis.

Mathematics.—Written Arithmetic, with written explanations.

French.—Fasquelle's First Course; La Fontaine.

Music.—Elementary Instruction continued.

FOURTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Grammar reviewed.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic.

Latin.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

French.—Fasquelle's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction continued.

Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

English Language.—Read and Study a Poem.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic; Algebra begun.

French.—Fasquelle's Grammar; Vinet; La Fontaine.

Music.—Solfeggio Singing and Vocalization.

THIRD ACADEMIC CLASS.

FIRST TERM.

History.—Freeman's Outlines, with Geography.

Mathematics.—Algebra.

Latin.—Harkness's Grammar and Reader.

Physiology.—Huxley and Youman's.

French.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

Music.—Solfeggio Singing and Vocalization.

Drawing.—Study of Dimension, in straight lines, angles, and curves.

SECOND TERM.

History.—Freeman's Outlines, with Geography.

Mathematics.—Algebra; Principles of Arithmetic renewed, with Problems.

Latin.—Grammar and Reader; Cæsar.

Natural History.—Botany.

French.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

Drawing.—Study of Form; Sketching.

Music.—Solfeggio Singing and Vocalization.

SECOND ACADEMIC CLASS.

FIRST TERM.

English Language.—Shaksperian Reader.

Mathematics.—Geometry.

Latin.—Sallust; Antiquities.

Physics.—Natural Philosophy.

Rhetoric.—Hart's Composition and Rhetoric; English Grammar reviewed.

French.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

Drawing.—Study of Light and Shade; Sketching simple objects.

Music.—Solfeggio Singing and Thorough Bass.

SECOND TERM.

English Language.—Shaksperian Reader; Trench's Study of Words.

Mathematics.—Geometry.

Latin.—Ovid; Cicero; Mythology.

History.—Review United States.

Chemistry.—Nichol's Abridgment of Eliot & Storer's Elements.

French.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

Drawing.—Study of Light and Shade from simple objects.

Music.—Solfeggio Singing and Thorough Bass.

FIRST ACADEMIC CLASS.

FIRST TERM.

English Language.—Shaksperian Reader.
History.—Student's Hume.
Belles-Lettres.—Collier's English Literature.
Geography.—Review.
Astronomy.—Lockyer's Elementary.
Latin.—Æneid continued.
French.—Littérature; Translate Vicar of Wakefield into French.
Drawing.—Theory of Perspective; Sketching.
Music.—Continued.

SECOND TERM.

Latin.—Odes of Horace.
Natural Science.—Tenney's Geology.
Political Science.—Townsend's Analysis of the Constitution of the United States.
Mathematics.—Arithmetic reviewed.
French.—Littérature; Translate Vicar of Wakefield into French.
Drawing.—Practice of Perspective, by sketching objects.
Music.—Continued.

ADVANCED COURSE.

Studies marked * are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

FIRST YEAR.

FIRST TERM.

History.—Smith's History of Greece.
English Literature.—Selected Reading; Themes.
Philosophy.—Hamilton's Metaphysics.
Physical Geography.—Guyot's Earth and Man.
Mathematics.—Trigonometry.*

Natural History.—Agassiz and Gould's Zoölogy.

French.—Literature; Conversation.

Latin.*

Greek.*

German.—Grammar.

Art.—Drawing from Nature; Biography of Artists.

SECOND TERM.

History.—History of Greece continued.

English Literature.—Selected Reading; Themes.

Philosophy.—Hamilton's Metaphysics continued.

Mathematics.—Analytical Geometry.*

Natural History.—Agassiz's Methods of Study in Natural History.

French.—Literature; Conversation.

Latin.*

Greek.*

German.—Maria Stuart; Goethe's Egmont.

Physics.—Ganot's.*

Art.—Drawing; History of Schools of Art.

SECOND YEAR.

FIRST TERM.

History.—Bryce's History of the Roman Empire.

English Literature.—Schlegel's Dramatic Art and Literature; Themes.

Political Economy.

Chemistry.—Roscoe's.*

Mathematics.—Mechanics.*

French.—Literature; Conversation.

Latin.*

Greek.*

German.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

Physics.—Ganot's.*

SECOND TERM.

History.—Bryce's History of the Roman Empire, continued.

Philosophy.—Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

Astronomy.—White's.

• *Mathematics.*—Mechanics.*

Physics.

French.—Literature; Conversation.

*Latin.**

German.—Lessing.

Vegetable Physiology.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

TUITION.

Primary Department, per term of 20 weeks....	\$35 00
Fourth Preparatory Class, " "	40 00
Third " " " "	45 00
Second " " " "	50 00
First " " " "	50 00
Fifth Academic " " " "	55 00
Fourth " " " "	60 00
Third " " " "	70 00
Second " " " "	80 00
First " " " "	80 00
Advanced " " " "	80 00

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

III.—THE COLLEGE.

FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON. M.D.

CALVIN S. PENNELL, A.M.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M., *Registrar.*

HENRY POMEROY, A.M.

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

FRED. M. CRUNDEN, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.B.

FRANCIS E. NIPHER, B Ph.

STUDENTS.

SENIOR CLASS.

NAMES.	RESIDENCE.
Conzelman, Wm. Eliot.....	2124 Clark avenue.
Coste, Paul Felix.....	1536 Papin street,
Glasgow, Allen Cuthbert.....	3015 Sheridan avenue,
Glasgow, Frank Adams.....	3015 Sheridan avenue.
Total, 4.	

JUNIOR CLASS.

Bartlett, George Morey.....	Templeton, Mass.
Blewett, Ben.....	Jennings Station.
Burlingham, Albert Starr.....	2710 Locust street.
Eliot, Christopher Rhodes.....	2660 Washington avenue.
Engler, Edmund Arthur.....	1515 Jackson street.
Fisher, Ada Calista.....	Washington av., W. of Grand.
Rychlicki, Mary Josephine.....	King's Highway.
Sanderson, Albert Erastus.....	Sulphur Springs.
Total, 8.	

SOPHOMORE CLASS.

Farrar, Wm. Christy.....	2733 Chestnut street.
Gore, Stephen Augustus *.....	1017 Olive street.
Price, Edward Thomas *.....	3022 Easton avenue.
Total, 3.	

FRESHMAN CLASS.

Allen, Lyman Whitney.....	212 S Twenty-first street.
Berry, John Marshall.....	Fairview, Mo.
Burlingham, Charles Cu'p.....	2710 Locust street.
Chauvenet, Wm. Marc †.....	2703 Lucas avenue.

* Not a candidate for a degree.

† Not matriculated.

NAME.	RESIDENCE.
Cunningham, Henry Davis.....	Washington University.
Eames, Wm. Sylvester.....	1224 Washington avenue.
Eliot, Edward Cranch.....	2660 Washington avenue.
Kennett, William Covington....	2835 Pine street.
Knox, Harrie Edwin.....	705 North Eighteenth street.
McClellan, Henry Sharpe.....	3428 Morgan street.
Noland, Charles Thomson	3148 Locust street.
Shapleigh, John Blasdel.....	1229 Washington avenue.
Stubbs, Robert Newton	913 North Sixth street.
Taussig, Frank Wm.....	1526 Mississippi avenue.
Wickham, Wm. Fanning.....	1712 Lucas Place.
Total, 15.	

ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books :

LATIN.

Cæsar's Commentaries; the *Æneid* of Virgil, to Book VII.; Cicero's Select Orations, Folsom's or Johnson's edition; Harkness's Grammar, including Prosody; Writing Latin.

GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

GERMAN.

Grammar and Reader; William Tell.

MATHEMATICS.

Walton's Arithmetic; Greenleaf's Elementary Algebra; Chauvenet's Geometry, three books.

GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; History of Greece and Rome. [Smiths' Smaller Histories.]

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted

TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, on Monday and Tuesday, June 14th and 15th, and on Friday and Saturday, September 10th and 11th, 1875. Candidates will present themselves in Room No. 2 of the east wing, at 9 o'clock, A. M.

Students may be examined for advanced standing at any time, but candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter

Every student not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another college, a certificate of dismissal in good standing.

COURSE OF STUDY.

The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.

FRESHMAN CLASS.

FIRST TERM.

Latin.—Lincoln's Livy; Exercises in writing Latin.

Greek.—Felton's Greek Historians; Exercises in writing Greek; Crosby's or Goodwin's Grammar.

Mathematics.—Geometry, completed.

History.—Freeman's Outlines.

German.—Grammar; Goethe's Hermann and Dorothea.

Elementary Ethics.

Themes and D clamation.

SECOND TERM.

Latin.—Horace; Roman Antiquities; Exercises in writing Latin.

Greek.—Panegyricus of Isocrates; Homer; Exercises in writing Greek.

Mathematics.—Higher Algebra.

History.—Freeman's Outlines.

German.—Schiller's Maria Stuart; Translations from English.

Themes and Declamation.

SOPHOMORE CLASS.

FIRST TERM.

Latin.—Cicero's Tusculan Disputations; Exercises in writing Latin.

Greek.—Demosthenes de Corona; Exercises in writing Greek.

Mathematics.—Trigonometry.

History.—Freeman's England.

French.—Grammar; Histoire de France par G. Ducoudray;
Composition.

Themes and Declamation.

SECOND TERM.

REQUIRED STUDIES:

Latin.—Juvenal; Andria of Terence, and Captivi of Plautus;
Exercises in writing Latin.

Mathematics.—Analytical Geometry.

Physics.

History of English Literature.—(Lectures.)

French.—Grammar; Ducoudray; Composition.

Themes and Declamation.

ELECTIVE STUDIES:

Greek.—Alcestis of Euripides; Prometheus of Æschylus;
Exercises in writing Greek.

Anglo-Saxon and Old English.

JUNIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

Chemistry.—Roscoe's.

History.—France.

Rhetoric.—Bain's.

Modern Languages.—German.

Themes; Original Declamations.

ELECTIVE STUDIES:

Latin.—Tacitus or Quintilian; Exercises in writing Latin.

Greek.—Thucydides; Antigone of Sophocles.

Mathematics.—Analytical Geometry and Calculus.

Physics.

Comparative Philology.

SECOND TERM.

REQUIRED STUDIES:

Mechanics.—Statics; Dynamics.

Philosophy.—Jevons' Logic.

History.—Germany.

Modern Languages.—German.
History of French Literature. (Lectures.)
Themes; Original Declamations.

ELECTIVE STUDIES:

Mathematics.—Differential and Integral Calculus.
Chemistry.—Continued.
Ancient Languages—Latin; Greek.
Comparative Philology.

SENIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

Astronomy.
Mineralogy.—Dana's.
Philosophy.—Hamilton's *Metaphysics*; (Recitations and Lectures.)
English Literature.—Shaw's Manual; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; (Recitations and Lectures.)
Modern Languages.—French; German.
Themes; Original Declamations.

ELECTIVE STUDIES:

Mathematics.
Ancient Languages.—Latin; Greek.
Practical Chemistry.
Comparative Philology.

SECOND TERM.

REQUIRED STUDIES:

Geology.—Dana's.
Ethics—(Recitations and Lectures.)
Evidences of Natural and Revealed Religion.
Political Economy.—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)
History.—Constitutional History of England; U. S. Constitution.—(Recitations and Lectures.)
English Literature.—Shaw; Taine; Readings; Lectures.
Modern Languages.—French; German.
Physiology.—Lectures.
Themes; Original Declamations.

ELECTIVE STUDIES:*Mathematics.**Ancient Languages.*—Latin; Greek.*Practical Chemistry.**Comparative Philology.***EXAMINATIONS.**

The instruction is by recitations and lectures, and the student's progress is tested by frequent and thorough written examinations.

LECTURES.

Courses of Lectures on literary, scientific and general topics are delivered from time to time in the Hall of the University, to which persons not connected with the Institution are admitted under such regulations as may be established.

THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the First Term of the year 1874-75:

President.....PAUL F. COSTE,*Vice-President*.....C. MORSE,*Secretary*.....FRANK W. TAUSSIG.

A paper called the IRVING UNION is published monthly under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the First Term of the year 1874-75:

Chief Editor E. A. ENGLER.*Business Manager*.....C. R. ELIOT,

<i>Associate Editors</i>	{	A. E. SANDERSON, W. C. FARRAR, W. M. CHAUVENET, L. W. ALLEN.
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LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic School and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises. A competent instructor gives regular training to the classes.

SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College or the Polytechnic School. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them with students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by the payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

A Trust Fund of \$30,000 has been accepted by the University, from the WESTERN SANITARY COMMISSION, for the establish-

ment of **TWENTY FREE SCHOLARSHIPS**, in the College or the Polytechnic School, to be filled by children of descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, who does not sustain satisfactory examinations, or who fails to comply with the rules of the institution.

From the same source a **SUSTENTATION FUND** of \$10 000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

DEGREES.

The degree of Bachelor of Arts is granted to those students who complete the full course of study; but no diploma is granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

VACATIONS.

There is a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the institution.

TUITION.

A matriculation fee of five dollars is charged, payable in advance.

The tuition in the College, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

N. B. For tuition in Polytechnic School to graduates of the College, see page 13.

IV.—O'FALLON POLYTECHNIC INSTITUTE,

OR

POLYTECHNIC SCHOOL.

FACULTY

WM. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

CALVIN M. WOODWARD, A.M., *Dean.*

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

CHARLES A. SMITH, C E.

FRED. M. CRUNDEN, A.M

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.B.

FRANCIS E. NIPHER, B.Ph.

HALSEY C. IVES, *Artist.*

STUDENTS.

SENIOR CLASS.

NAME.	RESIDENCE	ROOM.
Brooke, George D. (I)*.....	St. Louis.	2010 N. 10th street.
Burnet, George, Jr., (I).....	Carondelet Tp.	Dormitory No. 5.
Graham, Frank (IV).....	St. Louis.....	2221 Olive street.
Healy, M. F. (I)	St. Louis.....	204 Center street,
Holman, John O. (I).....	St. Louis.....	Page & Spring avs.
McKee, James D. (I).	St. Louis.....	214 Mullanphy st.
Morse, Charles M. (IV).....	San Mateo, Cal..	Dormitory No. 3.
Roeder, Victor C. (IV).....	Sta. Barbara, Cal.,	310 Cedar street.
		Total, 8.

JUNIOR CLASS.

Barron, Samuel A. (IV)....	St. Louis.....	2216 Walnut street.
Friedman, Jacob (III).....	St. Louis.....	2722 Laclede ave.
Hawke, William (I).....	Neb. City, Neb.	2920 Olive street.
Meister, Herman (IV).....	St. Louis.....	Meramec, bet. Min- nesota & Penn. avs.
		Total, 4.

SOPHOMORE CLASS.

Block, George M.....	Aberdeen.....	3112 Morgan street.
Farrar, John R.....	St. Louis.....	1431 Lucas Place.
Gibson, Victor.....	St. Louis.....	Lafayette ave. and Easton Place.
Kellogg, Clinton D.....	Caledonia, Minn..	413 N. 8th street.
Kennett, Charles P.....	St. Louis.....	2835 Pine street.
Pegram, George H.....	St. Louis.....	1321 Chouteau ave.
Quigley, John B.....	Carondelet....	Carondelet.
Smith, Edgar T.....	Greenville, Ill..	2205 Olive street.
Westermann, Edward H....	Belleville, Ill..	Belleville.
		Total, 9.

* The Roman numerals after the names indicate the Courses of Study pursued by the Student, according to the arrangement on page 67.

FRESHMAN CLASS.

Burnet, Henry L.....	Carondelet....	No. 5 Dormitory.
Burr, Edward F.....	Kirkwood	Kirkwood.
Countryman, Theophilus R.	Hastings, Min..	1922 Clark avenue.
Daniel, Z. T.....	Rushville, Ill..	3d & Pine, Room 42.
Farrar, Charles T.....	St. Louis.....	2733 Chestnut st.
Lewis, Turner.....	St. Louis.....	3014 Morgan street.
Paramore, Fred. W.....	St. Louis.....	1322 Chouteau av.
		Total, 7.

STUDENTS NOT CANDIDATES FOR A DEGREE.

Blattner, Jacob F.....	St. Louis.....	2000 Rutger street.
Chauvenet, Louis (IV)....	St. Louis.....	2703 Lucas avenue.
Lüdeking, Carl E. (III)....	St. Louis.....	311 Elm street.
Meister, Otto.....	St. Louis.....	Meramec, bet. Min- nesota & Penn. avs.
		Total, 4.

CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:—

1. English Composition, including the use of Language, Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject, selected this year either from American History or from Shakspeare's Julius Cæsar. *A reasonable knowledge of composition will be held essential to the privilege of further examination.*

2. Physical and Modern Political Geography

3. American History, up to the close of the war of 1812. White's Landmarks of English History, or an equivalent.

4. Human Anatomy and Physiology.

5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.


6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.

7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions); or in the first two parts of Olney's Geometry.

8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first 50 pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves, if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's "Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."

9. Natural Philosophy, as much as is contained in the first half of Well's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."

10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.

 In June and September, 1876, Latin will be required. The student must then be able to construe a passage from the Latin Reader or from Cæsar.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June and at the beginning of the Fall Term in September (see calendar); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy (See page 29.)

These revised Conditions of Admission, now for the first time in force, indicate a decided advance. They require on the part of students at least a half year's additional work. Every new feature has been adopted only after mature discussion and de-

liberation, and the Faculty look to the teachers of the public and private schools for an endorsement of their action. The transcendent importance of an exact and practical knowledge of the English language and literature will, it is hoped, justify the requirements under the head of **ENGLISH COMPOSITION AND LATIN**. The latter, though nominally "dead," still lives in the spoken language of every civilized nation of to-day. The Faculty are not alone in their estimate of the value of a rudimentary knowledge of Latin to English-speaking people. "Even a little study of Latin makes a great difference in the grasp of the mind as regards generalization and principles. Without Latin the trope and metaphor underlying the abstract terms necessary to express all elevated sentiment or thought in English, and more specifically all scientific results, whether moral, legal, spiritual or natural—is not perceived or felt. * * * In our civil and political forms we live Roman life to-day. * * * Jurisprudence and legislation pronounce their edicts in Roman words."*

It is not expected that the students will become "classical scholars," the aim simply being to fit them for advantageous use of the instruction given in the Polytechnic School. But experience has taught that a moderate knowledge of Latin is an important, if not indispensable element in preparatory education.

The ease with which young students learn to use logarithms, and acquire skill in the use of drawing instruments, and the fact that habits of accuracy are more readily formed early in a student's course, have lead to the introduction of one topic under **ALGEBRA**, and of the entire section under **GEOMETRICAL DRAWING**. This last feature will enhance the student's interest in his mathematical studies, and will practically add very little to the work of preparation.

The Faculty of the Polytechnic School have decided to adopt the plan of a

DIVIDED EXAMINATION,

in accordance with which students who propose to enter the Freshman Class in the summer of 1876 may present themselves

*Report of W. T. Harris, Supt. St. L. Pub. Sch., for 1872-73.

this year, in June or September, for examination on the studies in which they are already proficient; provided, they are prepared to be examined on not less than four of the topics named in the Conditions of Examination. A record of such examinations will be kept, and when the same students present themselves next year they will be credited with the work done at the first examination. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

The subjects for examination the first day will be, English Composition, Physical Geography, Arithmetic, History and Algebra.

On the second day the subjects will be, Geometry, Physiology, Natural Philosophy, German, (or French or Latin), and Drawing.

COURSES OF STUDY.

The regular courses of study and instruction in this school extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of the advantages of this school will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded. The courses are five in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either course during the Junior and Senior years, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of *Bachelor of Science*.

Special students will be received in any of the courses if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

FRESHMAN CLASS.

FIRST TERM.

Mathematics.—Geometry (Chauvenet's) completed.

Physics.—Natural Philosophy.

German.—Grammar and Reader.

History.—Civil Government; United States Constitution.

Free-Hand Drawing.

Mechanical Drawing.—From Flats and Models. Use of Scales, Tracing, and Construction of Plates, Lettering, etc.

English.—Declamation and Composition; Rhetoric.

SECOND TERM.

Mathematics.—Algebra (Greenleaf's Higher) finished.

Physics.—(Ganot's), Pneumatics, Heat, Electricity and Magnetism.

French.—Otto's Grammar; French Prose.

Free-Hand Drawing.—Continued as First Term.

Descriptive Geometry.—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, etc.

History.—England.

English.—Declamation and Composition; Shakespeare.

SOPHOMORE CLASS.

FIRST TERM.

Mathematics.—Plane and Spherical Trigonometry (Chauvenet's).

Physics.—(Ganot continued), Acoustics, Optics, and Meteorology; Laboratory Practice.

Descriptive Geometry.—Intersection of Surfaces; Construction of Paper and Zinc Models.

Theoretical Chemistry.—Roscoe's, with Lectures.

Practical Chemistry.—Eliot and Storer's Manual.

Free-Hand Drawing.—Machinery, Casts, etc.

Mechanical Drawing, Line and Brush Shading.

English.—History.

SECOND TERM.

Mathematics.—Analytic Geometry (Puckle's).

Surveying.—Chain and Compass Surveying; Practice in the Field.

Descriptive Geometry.—Spherical and Isometric Projections; Shades and Shadows; Perspective.

Practical Chemistry.—Qualitative Analysis.

Mineralogy.—Dana's Manual.

Free-Hand and Mechanical Drawing.—Machinery and Architecture.

Physics.—Laboratory Practice.

I.—COURSE IN CIVIL ENGINEERING.

JUNIOR CLASS.

FIRST TERM.

Mathematics.—Differential Calculus (Peck's).

Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.

Civil Engineering.—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field; Railway Curves, Turnouts, etc. (Henck's Field Book).

Physics.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc., in Plaster.

Geology.—Dana's Manual; Lectures.

Practical Chemistry.—Qualitative Analysis.

Drawing.—Models, Arches, etc.; Shading.

Ethics.—Recitations and Lectures.

SECOND TERM.

Mathematics.—Integral Calculus; Analytic Mechanics.

Civil Engineering.—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Framework, and Cords of Equilibrium. (Rankine's Manual).

Mechanics.—(Rankine's) Applied Mechanics.

Physics.—Laboratory Practice.

Drawing.—Machines, Profiles, Bridges, etc.

English.—Modern Literature.

SENIOR CLASS.

FIRST TERM.

Civil Engineering.—Rankine's Manual of Civil Engineering, supplemented by lectures following Baker, Bell, Winkler and Maxwell; and the use of Graphical Statics.

Mechanics.—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.

Laboratory Practice.—Construction of Trusses and Ribs for Bridges and Roofs.

Drawing.—Of Constructions from Actual Measurement.

Astronomy.—White's Elements.

English—Themes

SECOND TERM.

Civil Engineering.—Structures of Wood, Stone and Iron; Designing, and Computing the parts of Bridges, Roofs, etc.

Mechanics.—Statics, Kinematics, Principles of Mechanism, Dynamics.

Laboratory Practice.—Testing Strength of Structures; Photography.

Drawing.—Designs of Structures.

Political Economy.—Bowen, Rogers, Mill, Carey; (Recitations and Lectures.)

Practical Astronomy.—Use of Instruments; Determination of Time, Latitude and Longitude.

English.—Graduation Thesis.

II.—COURSE IN MECHANICAL ENGINEERING.

JUNIOR YEAR.

FIRST TERM.

Mathematics.—Differential Calculus (Peck's).

Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.

Machinery.—Kinematics; Principles of Mechanism.

Geology.—Dana's Manual; Lectures.

Practical Chemistry.—Qualitative Analysis.

Physics.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc.; Work in the Machine Shop.

Drawing.—Machinery and Models.

Ethics.—Recitations and Lectures.

SECOND TERM.

Mathematics.—Integral Calculus; Analytical Mechanics.

Machinery.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.

Mechanics.—Rankine's Applied Mechanics.

Physics.—Laboratory Practice.

Drawing.—Machine Drawing continued.

English.—Modern Literature.

SENIOR YEAR.

FIRST TERM.

Machinery.—Study of different Machines; Strength of Materials.

Mechanics.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)

Drawing.—Of Working Machinery.

Astronomy.—White's Elements.

English.—Descriptions as previous Term.

SECOND TERM.

Machinery.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

Mechanics.—Theoretic Study of the Prime Movers; Waterwheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.

Drawing.—Designs of Machines.

Political Economy.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

English.—Graduation Thesis.

III.—COURSE IN CHEMISTRY.

JUNIOR YEAR.

Theoretical and Organic Chemistry.—Lectures.

Qualitative Analysis.—Fresenius, Gallaway, Eliot and Storer, and Bunsen.

Quantitative Analysis.—Fresenius.

Mineralogy.—Blowpipe Analysis and Determination of Species.

Geology.—Dana's, with Lectures.

Laboratory Practice.—From four to six hours daily.

SENIOR YEAR.

Chemistry, Analytical and Applied.—Daily Instruction in the Laboratory. Actual Chemical Work, embracing:

Pharmaceutical Preparations for the Laboratory and Apothecary;

Methods of Determining the Value of Drugs;

Assays on Ores of Lead, Silver, Gold, Zinc, Antimony, Copper, Nickel, Cobalt, etc.;

Examination and Analysis of Metals, Soils, and Ashes;

Examination of Poisons, Uses and Value of Manures.

Political Economy.—Bowen, Mill, Rogers, Carey, Recitation and Lectures.

Preparation of Thesis for Degree of Chemist.

IV.—COURSE IN MINING AND METALLURGY.

JUNIOR YEAR.

Mathematics.—Differential and Integral Calculus.

Descriptive Geometry.—Applications to Masonry, and Machinery.

Surveying.—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

Chemistry.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

Geology.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

Mineralogy.—Blowpipe Examination of Minerals.

Mining.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

and Transportation; Hoisting Engines, Cages, Car, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead and Zinc Mines.

Metallurgy.—General Metallurgy—Classification of Processes; Furnaces, Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, etc.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, etc.

Fuels—Classification of, and Methods of Computing Caloric Power; Manufacture of Charcoal, Coke, etc.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, etc.; Hot Blast Stoves; Lifts, etc.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, etc.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, etc.

Physics.—Laboratory Practice.

Drawing.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, etc.

SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

SENIOR YEAR

Mining.—Ventilation, Natural and Artificial; Measurement or Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, etc.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Jigging Machines, etc.; Washing and Dressing of Coal, etc. General Management of Mines, etc.

Chemistry.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.

Assaying.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

Economic Geology.—Occurrence and Distribution of Ores; Iron, Lead, Copper, etc.; Character, Uses and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, etc.

Metallurgy.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxyde.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

Blowpipe Analysis.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, etc.

Mechanics.—Rankine's Applied Mechanics.

Drawing.—Machines, Furnaces, Mines, etc

Projects.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

V—COURSE IN BUILDING & ARCHITECTURE.

JUNIOR YEAR.

- Architectural Designs.*—The Elements of Design; the Principles of Composition; Examination of Architectural Works.
- Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, etc.
- Mathematics.*—Differential and Integral Calculus.
- Physics.*—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.
- Geology.*—Dana's Manual; Lectures.
- Practical Chemistry.*—Qualitative Analysis.
- Drawing.*—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.
- English.*—Composition; Descriptions of Prominent Buildings, etc.

SENIOR YEAR.

- Architecture.*—Composition; History of Architecture; Specifications. Contracts, Estimates, Details of Superintendence.
- Engineering.*—Stability of Structures, Stress; Strength and Stiffness of Girders, Pillars, etc.; Foundations, Walls, Roofs; Building Materials.
- Mechanics.*—Principles of Statics; Rankine's Applied Mechanics.
- Physics.*—Laboratory Practice, in Testing Materials, Ventilation, Warming, etc.; Modeling in Plaster and Wood; Framing in Wood and Iron.
- Drawing.*—Designing Architectural Ornaments; Architecture; Landscape; Designs for particular Structures; Drawing from Memory.
- Political Economy.*—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)
- English.*—Graduation Thesis.

MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the College classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin:

BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this School. Besides this building there are a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities are procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

CIVIL AND MECHANICAL ENGINEERING.

The School is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., adorn the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine, and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. It will continue to stand in the Physical Laboratory, where

each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, etc.

The instruction in all branches is given from text books when practicable, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science. Special prominence is given to the use of "graphical methods," which are now so usefully supplementing the processes of computation.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners, and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or waterworks; and ready admission to machine shops, foundries, rolling-mills, furnaces and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to train not mere theorizers, but practical, far-seeing business men.

THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic School, organized in September, 1871, has been in full operation during the last three years. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted.

The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of and reports on mines and manufacturing establishments.

COLLECTIONS

have already been made, and are constantly receiving additions, embracing models of crystals, and specimens illustrating the various minerals and rocks and their association; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will, in time, be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to meet with in the field and the various products in metallurgical operations.

ASSAY LABORATORIES

are now in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc., to which will soon be added a volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being re-

required to make tests and full analysis of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

CHEMICAL LABORATORY.

The Chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first floor of the large building, will be appropriated to the State Geological Cabinet mentioned below. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

PHYSICAL LABORATORY.

It is intended to make this new feature in education a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated

to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Accoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. During the past year a complete outfit of photographic apparatus has been added to the laboratory, and a large number of pieces of apparatus have either been bought or manufactured during the past year. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

For the use of students in this and the Chemical Laboratories there is a

WORK-SHOP

containing an elegant lathe, made expressly for the University by the Fitchburg Machine Company, of Massachusetts, for turning wood, brass and iron; a work-bench, and a full set of carpenter's and modeling tools, an engine lathe, geer-cutter, a small forge, and a complete outfit of machinist's tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession. During the past year the students have practiced turning brass wheels, cutting teeth of wheels, graduating circles, making wooden and iron girders, apparatus, etc.

The headquarters of the

STATE GEOLOGICAL SURVEY

are located at this Institution. It is here that the examination, classification, analysis, and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology or any of its cog-

nate sciences, is in one of the most spacious rooms of this School, and at all suitable times will be open for the use of students of the University.

VACATION WORK.

It is expected that surveying parties, composed either wholly or in part of the students of this School will be sent into the field, either for the purpose of performing the secondary triangulation of the State of Missouri (under the auspices of the U. S. Coast Survey) or in other similar undertakings. (The Observatory on the University grounds has already been made a point of great importance in the primary survey of the State.) In this work there is excellent opportunity to earn *something*, and to learn the details of the very best surveying practice in the world.

EXAMINATIONS.

The Examinations in the Polytechnic School are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The Degrees corresponding to the six Courses of Study are :

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

DISCIPLINE.

The School is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentleman, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

BOARD AND LODGING.

Students living at a distance from the University can be supplied with rooms in the Dormitory building before referred to. The rent for a single room is \$12 per term; for a double room \$20 per term—that is, \$10 for each occupant. The rooms are unfurnished, but when students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, etc., the students must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and, should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

EXPENSES.

The minimum expenses of maintaining a student in this school one year is about as follows:

Tuition	\$100 00
Rent of room.....	20 00
Board, fuel and washing, at \$5 per week.....	200 00
Books, Instruments, etc.....	30 00
Total.....	<u>\$350 00</u>

SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships," "Sustentation Fund," and of other Scholarships on pages 58 and 59.

LECTURES, LITERARY SOCIETIES, LIBRARY, AND GYMNASIUM.

(For information on these points, see pages 57 and 58.)

ELEMENTARY SCHOOL.
OF THE
O'FALLON POLYTECHNIC INSTITUTE.

In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1865 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the College classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventeenth streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose; and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a

closer connection with the educational needs of the times. The title of the Polytechnic building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

The AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

EVENING SCHOOL
AT
THE POLYTECHNIC BUILDING,
Corner of Seventh and Chestnut Sts.

TEACHERS.

W. D. BUTLER, *Principal.*
J. W. HALL,
J. S. STEPHENSON.
F. A. FITZPATRICK.
R. J. DELANO.
J. A. YOUNG.
C. J. HARRIS.

STUDENTS.

NAMES.

Abbott, William H.
Alles, Anton
Althen, Warren
Anderson, Charles E.
Anderson, Lorenzo
Bade, William
Bade, Frank
Barclay, Robert
Barnidge, Alph J.
Barron, Ninnian B.
Beck, Edward
Beck, Julius
Beckman, August J.
Beltz, Julius
Bent, Samuel
Bobbette, William A.
Boehmer, Charles
Borrowman, George R.
Bowman, Edgar A.
Brauer, August
Bray, William E.
Bremer, Charles
Bremner, Hugh
Brinkmann, Theodore
Brockstadt, Henry M.
Browder, Henry
Brown, Thomas
Budde, August
Buettner, Louis P.
Burkhardt, Theodore
Byrne, Charles J.

NAMES.

Byrne, Edward F.
Cady, George M.
Carolan, Edward C.
Carroll, William L.
Chamberlain, Thomas
Christin, Lee
Clark, Henry E.
Clark, William G.
Condon, Edward P.
Conner, William R.
Cooke, William A.
Corcoran, Hugh
Courtney, Myron J.
Cox, Charles J.
Daley, William R.
Danforth, Charles H.
Davis, James L.
Decker, George
Degnan, James
Diekmann, Louis C.
Dockery, Thomas
Dockery, James J.
Doerr, Lee
Donovan, William T.
Dorn, Edward
Douglas, William L.
Dozier, Henry
Drown, William
Dudley, Mansel
Ealer, George G.
Eberhard, Edward

NAMES.

Edenborn, William
 Evans, William H.
 Eystra, Henry F.
 Fausek, Anton
 Fish, Albert G.
 Fishwick, Frank
 Fitzgerald, David E.
 Fitzpatrick, Joseph
 Frain, Thomas
 Fuchs, Henry
 Fuchs, Louis C.
 Gerber, Julius W.
 Gibson, Robert J.
 Gibson, Erastus
 Glab, Frank
 Goebel, Arthur
 Gorman, John M.
 Goyer, Alexander T.
 Goyer, William A.
 Green, Daniel
 Grierson, Robert W.
 Hageman, Frank
 Harrington, Robert J.
 Hassett, Edward W.
 Hasterlike, Simon
 Hecker, William
 Heim, John
 Heltzell, Ambrose C.
 Henry, Robert J.
 Herrman, George P.
 Hoefer, John W. R.
 Holdsworth, John W.
 Hottelman, Rudolph.
 Hufnagel, Charles P.
 Hurst Stephen,
 Jackson, Frank
 Joerder, Adam
 Johnson, Robert

NAMES.

Johnson, George J.
 Kaiser, John R.
 Kallfleisch, August F.
 Kane, John C.
 Keller, John
 Kelly, Lawrence
 Kelly, Pat.
 Kelly, Thomas X.
 Kern, Gottlieb
 Kerr, Andrew
 Keutz, Henry B.
 King, Matthew
 Kilgen, George
 Klamroth, Joseph
 Knab, John
 Kollmeyer, John F.
 Krausnick, Martin R.
 Krausnick, Edward C.
 Kuhnert, John L.
 Lamprecht, George
 Leatherman, Boone
 Leedorn, Henry L.
 Lihon, Henry
 Livingstone, James R.
 Livingstone, Thomas J.
 Low, Daniel W.
 Lueg, Oscar
 Maginn, Frank
 Maher, William
 Mangan, John
 Mardoff, Edward
 Marsh, George
 Marshall, William J.
 Matthews, William
 May, Charles
 McCormick, Edward
 McCabe, Vincent
 McGaffey, Wyatt

NAMES.

McGeary, Albert S.
McGrade, William
McKenna, John F.
McLean, John H.
McMillan George A.
Meder Edward
Mellen, William S.
Meyer, Ed. J.
Meyer, John A.
Michel, Adrien
Michenfelder, Frank
Miller Henry P.
Mitchell, Ivan G.
Moller, Joseph
Mooney, James
Mulholland, Edward
Murdock, Charles H.
Murphy, Arthur A.
Murray, Michael J.
Niemann, Herman
Nietrach, Louis E.
Nolte, Henry A.
Norris, William
Obermeyer, Edward
O'Byrne, Patrick
O'Neil, Eugene J.
Ottman, Florence
Owens, Thomas
Pate, Richard D.
Peck, William H.
Pearson, William
Pollock, Philip
Pollock, Martin
Raul, Warren C.
Reed, William F.
Rensch, Edward A.
Reitz, Louis
Reps, William

NAMES.

Rhea, George H.
Richards, Thomas H.
Richardson, Allen
Richardson, John
Riley, William
Rodgers, George R.
Roessel, Eugene H.
Rogan, Martin T.
Rogers, Louis H.
Rogerson, James B.
Rosenfield, Louis
Ross, Thomas J.
Roth, Edward B.
Ruedi, John
Runder, William J.
Ryan, J. O'Neil
Samuels, Simon
Schaaf, Emil
Schachameyer, Herman
Schatz, John
Schell, Charles E.
Schisler, Fred C.
Schreckhaase, Felix
Schueler, Richard
Schwann, Henry
Sennewald, Emil A.
Shaw, Samuel C.
Simbled, Edmond
Spiekerman, B. E.
Sprick, Otto
Staupe, Martin
Steele, Eyre T.
Stewart, Allister
Stocking, William L.
Storck, Fred.
Straul, Charles
Stupp, George
Talkaez, Emil

NAMES.

Taylor, William H.
 Taylor Edwin G.
 Taylor, Thomas E.
 Thiele, George H.
 Thierauf, Henry
 Tiemenstein, Martin
 Tisch, Theodore
 Trescher, Fred
 Umbach, Conrad
 Umbach, Paul
 Ure, Robert D.
 Usher, Fred J.
 Valle, Francis

NAMES.

Van Graafeland, Rudolph
 Wierahahn, Louis C.
 Wepfer, Geo. ge
 Wertz, Charles
 Whitehill, Thomas H.
 Williamson, Dewitt C.
 Wind, Alexander
 Wochner, Michael J.
 Wolf, Paul
 Wolf, Edward R.
 Worstenholm, George L.
 Zerbe, Henry.

Total, 240.

 THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, Book Keeping, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

THE TERM

has been fixed by the Board for five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the daytime, who can pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

V.—LAW SCHOOL.

FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

PROFESSORS AND LECTURERS :

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, A.M., LL.D., *Provost of Law School.*

HON. ALBERT TODD.

“ SAMUEL REBER, Late Judge St. Louis Circuit Court.

“ JOHN M. KRUM “ “ “ “

“ GEORGE A. MADILL, “ “ “

“ CHESTER H. KRUM, “ “ “

ALEXANDER MARTIN, A.M.,

GEORGE M. STEWART, A.M., *Dean of Law Faculty.*

ADVISORY AND EXAMINING BOARD :

HON. SAMUEL F. MILLER, Justice of U. S. Supreme Court, *President.*

HON. JOHN F. DILLON, U. S. Circuit Judge.

“ ARNOLD KREKEL, U. S. Dist. Judge, W. Dist. of Mo.

“ DAVID WAGNER, Justice Supreme Court of Mo.

“ WM. B. NAPTON, Justice Supreme Court of Mo.

“ JAMES J. LINDLEY, Judge St. Louis Circuit Court.

“ HORATIO M. JONES, Judge St. Louis Circuit Court.

“ JAMES K. KNIGHT, Judge St. Louis Circuit Court.

“ JAMES R. LACKLAND, Late Judge St. Louis Cir. Court.

“ G. A. FINKELNBURG.

“ J. D. S. DRYDEN,

CHARLES C. WHITTELSEY, Esq.

JOHN R. SHEPLEY, Esq.

JOHN W. NOBLE, Esq.

HON. R. E. ROMBAUER.

SAMUEL T. GLOVER, Esq.

JAMES O. BROADHEAD, Esq.

ARBA N. CRANE, Esq.

EDWIN C. KEHR, Esq.

STUDENTS.

SENIOR CLASS.

NAME.	RESIDENCE.
Boemler, Henry.....	St. Louis, Mo....706 Pine st.
Clark, B. F.....	Cote Brilliante, Mo.
Edgar, Will. R.....	Ironton, Mo.....705 Pine st.
Espenschied, Frank F.....	St. Louis, Mo....813 Hempstead st.
Estes, F. M.....	Brownsville, Tenn 705 Pine st.
Ferris, Franklin B.....	Rome, N. Y.....212 N. Fourth st.
Foster, R. M.....	Union Springs, Ala. 705 Pine st.
Hayward, J.....	Hannibal, Mo....
Jameson, A. D.....	Murfreesboro, Tenn. 2904 Gamble st.
Knapp, V. W.....	St. Louis, Mo....818 Gratiot st.
McDowell, E. C.....	Lewistown, Ill....3016 Locust st.
Meier, John J.....	St. Louis, Mo ..1808 State st.
Murfree, Wm. L., Jr.....	Murfreesboro, Ten 2810 Locust st.
Parker, A. H.....	
Reber, James S.....	Shoemakersville, Pa., Carondelet.
Richardson, John C.....	St. Louis, Mo....1601 Olive st.
Scarborough, Otis W.....	Kosciusko, Miss..705 Pine st.
Schutte, G. A.....	St. Louis, Mo....
Stirling, Henry R.....	St. Louis, Mo....1131 St. Ange st.
Switzer, C. M.....	St. Louis, Mo....1725 Wash'n av.
Warnock, W. H.....	Columbia, Ill....705 Pine st.
Webb, Jean F.....	Lebanon, Ill.....Wash. University
Wells, Japtha.....	Troy, Mo. ....Olive St. Hotel.
White, E. J.....	St. Louis, Mo....

Total, 24

JUNIOR CLASS.

Beyersdorf, W. S.....	Hermann, Mo....731 S. Fifth st.
Bowman, E. M.....	Acton, Ill.....614 Olive st.
Cline, F. A.....	St. Louis, Mo....840 S. Eighth st.

NAMES.	RESIDENCE.
Cummings, J. R.....	Terre Haute, Ind. 14 S. Fifth st.
Curd, C. P.....	Nashville, Tenn. 616 S. Fifth st.
Curtis, W. S.....	St. Louis, Mo. 3030 Franklin av.
Dace, J. M.....	Merrimac Pt. Ill. Wash. University
Dawson, J. P.....	Louisiana, Mo. Wash. University
Delano, R. J.....	St. Louis, Mo. 1717 St. Chas. st.
Estabrook, H. D.....	Omaha, Neb. 2803 Thomas st.
Field, F.....	Arrow Rock, Mo. 2205 Olive st.
Glore, Orlando.....	Pine Grove, Ill. 421 Chestnut st.
Hamilton, J. D. M.....	Fort Madison, Ia. 705 Pine st.
Higginbotham, H. C.....	Leavenworth, Kan. 1725 Morgan st.
Huff, M. W.....	Iron Mt., Mo. 212 S. 21st st.
Kennett, A. Q.	St. Louis, Mo. 1522 Wash'n av.
Mansfield, D.....	St. Louis, Mo. 2913 Thomas st.
Merryman, J. F.....	Platte City, Mo. 625 Pine st.
McAllister, A. F.....	St. Louis, Mo. 1217 St. Ange st.
McElhinney, J. W.....	St. Louis, Mo. 2206 Walnut st.
McHose, W. E.....	Geneseo, Ill. Wash'n University
Niemann, G.....	St. Louis, Mo. 905 N. 13th st.
Olshausen, T.....	Davenport, Iowa. 2306 Chouteau av
Parrish, G. T.....	Glasgow, Ky. 1901 O'Fallon st.
Rice, T. A.....	St. Louis, Mo. 2719 N. 11th st.
Roeder, J. A.....	St. Louis, Mo. 504 Dorcas st.
Rose, J. M.....	Little Rock, Ark. 2205 Olive st.
Schuyler, W. R.....	St. Louis, Mo. 2820 Locust st.
Smith, J. P.....	Glasgow, Ky. 1901 O'Fallon st.
Shephard, F. B.....	St. Louis, Mo. 1909 Wash'n av.
Sparks, Samuel P.....	Warrensburg, Mo. 1016 Pine st.
Tatum, L. R.....	St. Louis, Mo. 706 Tayon av.
Torrey, J. L.....	Louisiana, Mo. Wash'n University
Total, 33.	

The Law School of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides causes at Common Law and in Equity, also the State, Circuit and Criminal Courts and the Supreme (or highest appellate) Court of Missouri; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of six years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law school is enabled to present, give promise of still greater efficiency in the future.

COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *sin free scholarships*, for young men in straitened circumstances, are established in this Department; also an annual prize of \$50

in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free scholarships in the Law School should apply to the Provost on or before the 19th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.

2. That the applicant is of good character and standing.

The applicant must have a good English education, and the certificate of Professor SNOW of the College to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

Competition for the prize referred to is confined to the members of the Graduating Class in each year, under regulations announced at the opening of the term.

TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1875-76:

Blackstone's Commentaries (Sharswood), Books I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Story's Equity Jurisprudence, Washburn on Real Property, vol. 1; Stephens (or Gould) on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Story on Bills, Addison on Torts (abr.) Schouler's Domestic Relations.

Applicants for admission to the Senior Class of 1875-76, will be required to pass a satisfactory examination on the foregoing works before the beginning of the term, and should apply in person, before or during the first week in October, to the Provost or Dean.

The Senior Class will use the following:

Story on the Constitution, Parsons' Marine Insurance, Conkling's Treatise on Jur. and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Bishop's Criminal Law, Story on Sales, Story on Promissory Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any reduction be made from the term fee. Class tickets are in no case transferable.

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good Board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

SUMMARY.

THE ACADEMY.....	321
MARY INSTITUTE.....	260
THE COLLEGE.....	30
O'FALLON POLYTECHNIC INSTITUTE.....	32
ELEMENTARY SCHOOL, POLYTECHNIC INSTITUTE.....	240
LAW SCHOOL.....	57
<hr/>	
Total.....	940

LIST OF GRADUATES.

GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named, Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON,
CHARLES BRANCH, A.M.,
HENRY BRANCH, A.M.,
REGIS CHAUVENET, A.M.,
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER,
JOHN TILDEN DAVIS,
WILLIAM RHIND DONALDSON,
HENRY WARE ELIOT,
OSCAR WILLIAM GAUSS,
NATHANIEL GRAY SMITH HART,
CHESTER HARDING KRUM,
THOMAS KEITH SKINKER,
*JAMES STATT'S WATERS. 1869.

1864.

GEORGE WEBBER CUTTER, A.M.,
CHARLES EDWARD ILLSLEY, A.M.,
JOHN HERAN KERCHEVAL,
JOHN GEORGE DAVID KNIGHT. A.M.,
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE,
FREDERICK JULIUS CASTLEHUN, A.M.,
WILLIAM T. GLASGOW.

1866.

*THOMAS FASSETT COLLIER. 1868.
CHARLES FLETCHER HAZARD,
JOSEPH NORWOOD LITTON,
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.,
ALEXANDER GILL DONALDSON,
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK,
FREDERICK MORGAN CRUNDEN, A.M.,
HARVEY HALE DELANO,
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP,
CHARLES MANNING LITTON,
FRANK CHARLTON STONE.

1870.

EDWARD EVERS,
DAVID ROWLAND FRANCIS,
DAVID GOLDSMITH,
GEORGE WASHINGTON TAUSSIG,
LOUIS WILLIAM TEUTEBERG,
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER,
SAMUEL HEMPLE CHAUVENET,
JOHN WILLIAM HOUGH,
HENRY WILLIAM THIELE, A.M.

1872.

ELIOT CONWAY JEWETT,
LYNE SHACKLEFORD METCALFE, JR.,
WILLIAM FRANCIS PATRICK,
MARTIN HAYWARD POST,
ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN,
WILLIAM SAMUEL CURTIS,
JOHN WEBSTER SPARGO.

1874.

ED. MONROE BOWMAN,
AZBY AUGUSTUS CHOUTEAU,
FRED. ERNEST D'OENCH,
FRED. BERTHOLD EWING,
*LUTHER KENNETT FARRAR. 1874.
WILLIAM RIDG SCHUYLER,
GEORGE LINCOLN STEVENS.

GRADUATES IN POLYTECHNIC SCHOOL.

1866.

REGIS CHAUVENET, B.S.,
EDWARD SINGLETON HOLDEN, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871,
EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.,
RUDOLPH RITTER, C.E.,
ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.,
RUFUS JUDAH DELANO, C.E.,
ALBERT FRED. D'OENCH, M.E.

1873.

ROBERT ABELES, C.E.,
ADOLPHUS LOVINGSTON, C.E.,
HUBERT TAUSSIG, C.E.

1874.

WINTHROP BARTLETT, C.E.,
HENRY W. DOUGLASS, C.E.,
MINARD L. HOLMAN, C.E.,
ELIOT CONWAY JEWETT, A.B., C.E.,
WILLIAM FRANCIS PATRICK, A.B., E.M.

GRADUATES IN LAW.

1869.

MAURICE D. COLLIER,
DANIEL DILLON,
JAMES S. GARLAND,
WILLIAM E. HALL,
JOHN H. NICHOLSON,
JOHN H. PLAYER,
GIFFORD S. ROBINSON,
CHARLES H. SEE,
PHILIP SUTHERLIN,
PETER J. TAAFE,
JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY,
LEWIS E. BEACH,
NATHANIEL C. DRYDEN,
EDWARD P. McCARTY,
WILLIAM F. MARSH,
OTTO W. MEYSENBERG,
RICHARD H. NORTON,
ALFRED A. PAXTON,
WILLIAM T. RICHMOND,

1871.

PHEBE W. COUZINS,
ALEX. N. DEMENIL,
SILAS W. DOOLEY,
HENRY C. HART. JR.,
HENRY C. HOGG.
WM. T. HOUSTON,
FRED. N. JUDSON,
WM. C. KUEFFEN,
FOSTER T. MARTIN,
DAVID MURPHY,
WILLARD A. SMITH,
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH,
HENRY I. D'ARCY,
DAVID GOLDSMITH,
JOHN J. McCANN,
JOHN L. MAXWELL,
HENRY E. MILLS,
CHARLES NAGEL,
ALBERT NIGGEMAN,
HENRY O'GORMAN,
THOMAS J. ROWE,
LEANDER J. SMITH,
MICHAEL J. SULLIVAN,
GEORGE W. TAUSSIG,
EUGENE C. TITTMAN,
FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE,
IRENÆUS D. FOULON,
BENJAMIN F. HEDGES,
J. LINN LADD,
MICHAEL J. MURPHY,
JOHN F. O'ROURKE,
BARNETT W. PRESCOTT,

CHARLES G. SINGLETON,
CHARLES E. STARR,
CHARLES F. W. DASSLER,
EDWARD L. GOTTSCHALK,
THEODORE HUNT,
HUGO MUENCH,
SIMON OBERMEYER,
JAMES M. PEARSON,
HENRY CLAY RILEY,
WILLIAM C. SMITH,
HENRY M. TALLMAN.

1874.

AMBROSE D. COUNTRYMAN,
JOHN D. DAVIS,
FRANK HICKS,
CHRISTIAN KOERNER,
F. L. LINTON,
J. B. McHOSE,
CHARLES NEWMAN,
JOHN V. NOELL,
FRANK W. PEEBLES.

HONORARY GRADUATES.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.

GENERAL INDEX.

ACADEMY, The	15-30	ENDOWMENTS—	
Faculty.....	15	Bridge Chancellorship..	12
Students.....	16-25	Allen Professorship....	12
Admission to.....	25	EXAMINATIONS—	
Course of Study.....	27-29	In the Academy.....	30
Primary School.....	29	For Admission to Col-	
Gymnasium.....	30	lege.....	52
Examinations.....	30	For Admission to Poly-	
Reports.....	30	technic School.....	63-66
Tuition.....	30	In Polytechnic School..	81
ADMISSION to—		In Law School.....	97
Academy.....	25	FACULTY of	
Mary Institute.....	48	The Academy.....	15
The College.....	52	Mary Institute.....	32
Polytechnic School.....	63	College.....	50
Law School.....	97	Polytechnic School.....	61
ADVISORY AND EXAMINING		Law School.....	92
BOARD of the Law School ..	92	GENERAL STATEMENT.....	9
ALLEN PROFESSORSHIP OF		GRADUATES in	
MINING.....	12	Arts.....	100- 01
BOARD and LODGING.....	40-82	Polytechnic School ..	102-103
BRIDGE ENDOWMENT.....	12	Law.....	103-105
CALENDAR.....	3	Honorary.....	105
COLLEGE, The	50-60	GYMNASIUM.....	30-58
Faculty.....	50	HOLIDAYS.....	3
Students.....	5-52	IRVING UNION.....	57
Admission.....	52	LAW SCHOOL.....	92-99
Course of Study.....	54-57	Faculty.....	92
Lectures.....	57	Advisory and Examin-	
Irving Union.....	57	ing Board.....	92
Library.....	58	Students.....	93-94
Gymnasium.....	58	Course of Study.....	95
Scholarships.....	58	Scholarships.....	96
Degrees.....	59	Prize Essays.....	96
Vacations.....	59	Text-Books.....	97
Tuition.....	60	Terms of Admission ..	97
CORPORATION.....	4	Tuition.....	98
COURSE of STUDY in the—		LECTURES.....	57
Academy.....	27-29	LIBRARY.....	58
Mary Institute.....	41-48	MARY INSTITUTE.....	31-9
College.....	54-57	Faculty.....	32
Polytechnic School ..	67-75	Students.....	23-10
Law School.....	95	Course of Study.....	41-48
DEGREES.....	59-81	Tuition.....	48
DISCIPLINE.....	82	Board.....	49
ELEMENTARY SCHOOL of—		ORGANIZATION of the	
Polytechnic Institute.....	84-91	University.....	13.
Teachers.....	87-91		
Students.....	88-91		
Course of Study.....	91		
Term.....	91		

POLYTECHNIC SCHOOL	61	SCHOLARSHIPS	58, 83, 96
Faculty	61	STATE GEOLOGICAL SURVEY...	80
Students	62-63	STUDENTS in	
Admission	63	Academy	16-25
Courses of Study	67-75	Mary Institute	33-40
Buildings	76	College	51-52
Civil and Mechanical		Polytechnic School	62-63
Engineering	69, 70	Elementary Polytechnic	
Mining and Metallurgy.	72	School	58-91
Chemical Laboratory ..	79	Law School	93-94
Physical Laboratory ..	79	SUMMARY	99
State Geological Survey.	80	TUITION in	
Vacation Work	81	Academy	30
Examinations	81	Mary Institute	43
Degrees	81	College	60
Tuition	82	Polytechnic School	82
Boarding and Lodging.	82	Law School	93
Expenses	82	VACATION	3, 59
Scholarships	83		